

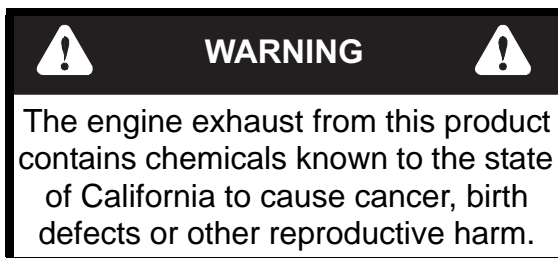
Hustler® Parts Manual



200 South Ridge Road

Hesston, Kansas

67062



NOTICE OF REQUIREMENT OF SPARK ARRESTER MUFFLER

This equipment may create sparks that can start fires around dry vegetation. California Public Resources Code Section 4442.6 provides that it is unlawful to use or operate an internal combustion engine on any forest-covered, brush-covered, or grass-covered land unless the engine is equipped with a spark arrester maintained in effective working order. A spark arrester is a device constructed of nonflammable materials specifically for the purpose of removing and retaining carbon and other flammable particles over 0.0232 of an inch in size from the exhaust flow of an internal combustion engine that uses hydrocarbon fuels or which is qualified and rated by the United States Forest Service. Other states or federal areas may have similar laws. The Operator Should Contact Local Fire Agencies For Laws or Regulations Relating to Fire Prevention Requirements. **THIS EQUIPMENT DOES NOT HAVE A SPARK ARRESTER AND YOU SHOULD CONTACT YOUR AUTHORIZED DEALER FOR THE PURCHASE OF A SPARK ARRESTER.**

Inspect spark arrester daily; replace every 500 hours or as needed.

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.

Federal law and California State law prohibit the following acts or the causing thereof:

1. The removal or rendering inoperative by any person other than for purposes of maintenance, repair, replacement, of any device or element of design incorporated into any equipment for the purposes of emissions control prior to or after its sales or delivery to the ultimate purchaser or while it is in use, or
2. The use of the equipment after such device or element of design has been removed or rendered inoperative by any person.

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Chapter 1

General Information

*This Manual covers FasTrak 20/52 model **926501**, FasTrak 18/44 model **926519**, FasTrak 16/44 model **926527**, FasTrak 18/52 model **926592**, FasTrak 17.5/52 model **926600**, FasTrak 17.5/44 model **926774**, FasTrak 18/44 model **927442**, & FasTrak 20/52 model **927459**.*

Frequently Ordered Parts

PART NO.	DESCRIPTION
784231	Pump Drive A-Section Belt
784249	52" Deck B-Section Belt
784322	44" Deck B- Section, Belt
785626	Fuel Filter
785600	Honda 18 & 20 HP Air Filter
785618	Honda 18 & 20 HP Air Filter Precleaner
785634	Honda 18 & 20 HP Engine Oil Filter
787226	Honda 16 HP Air Filter
787234	Honda 16 HP Engine Oil Filter
786988	Air Cleaner Cartridge, Briggs & Stratton
787002	Oil Filter, Briggs & Stratton Engine
794370	Kohler Paper Air Filter
747303	Kohler Engine Oil Filter
068478	Kohler Fuel Filter In-line
789511	Filter Kit, C-IZT

Service Literature

PART NO.	DESCRIPTION
600643	FasTrak Owner's Manual
785642	Honda 18 & 20 HP Engine Manual
787242	Honda 16 HP Engine Manual
786962	17.5 HP Briggs & Stratton ELS Engine Manual
794313	Kohler Courage Engine Manual

Options

PART NO.	DESCRIPTION
365668	52" FasTrak Mulch Kit
365684	44" FasTrak Mulch Kit
785428	16" CW Gator Blade
785436	18" CW Gator Blade
793331	Armrest Kit (Michigan Seat)
784850	Armrest Kit (Milsco Seat)
367425	FasTrak Seat Spring Kit
367656	FasTrak Hour Meter Kit

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

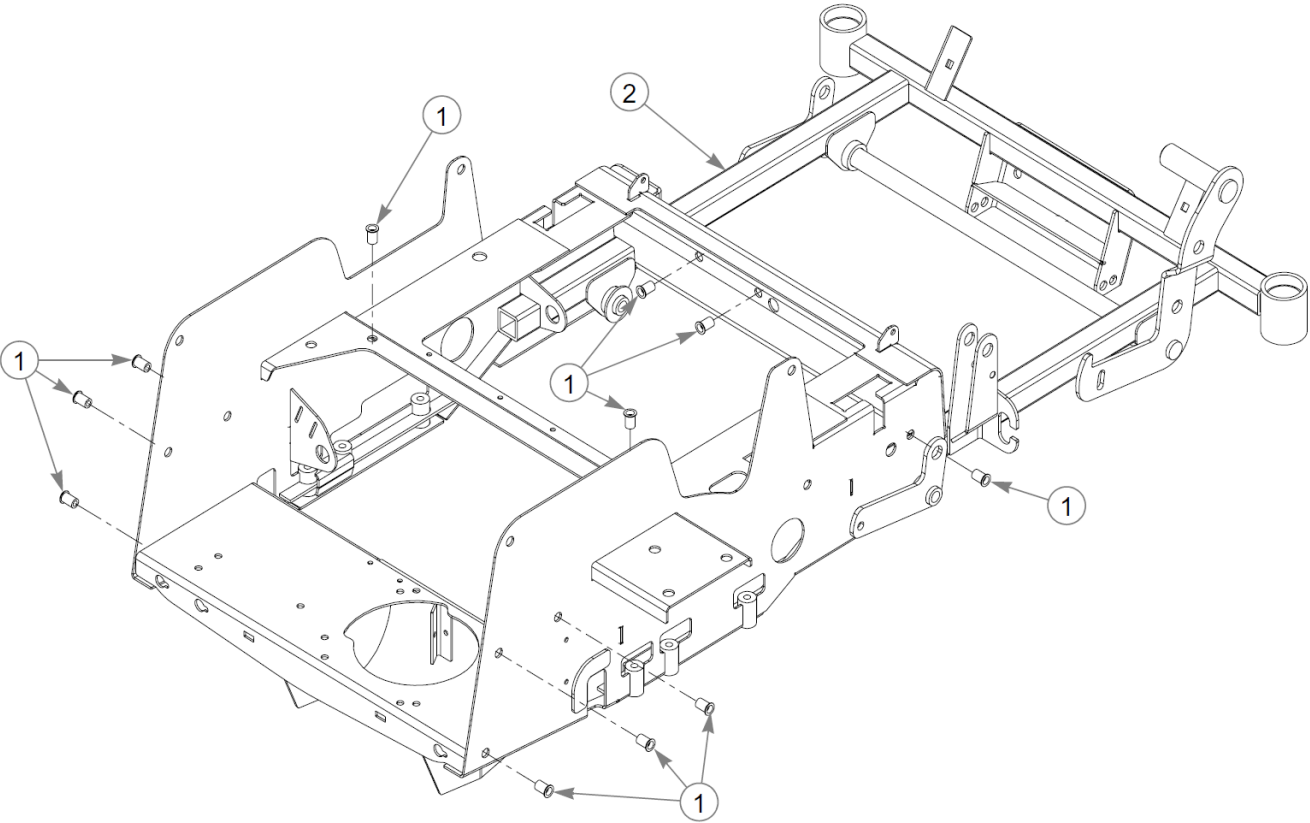
Standard Torques

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:

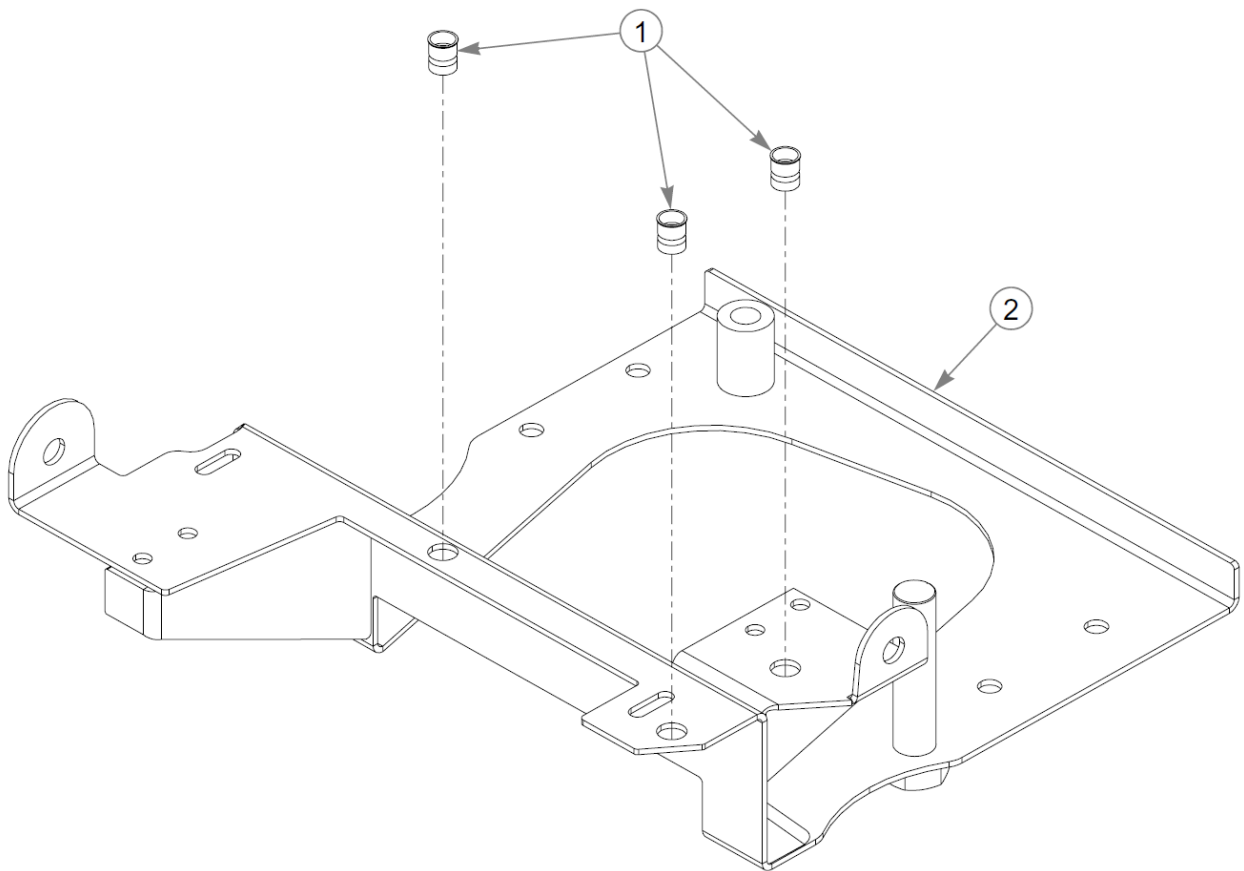
Loctite® 592 to be used on all pipe threads.
Lubricate all grease zerks.



Mower Frame Rivet Nut Installation

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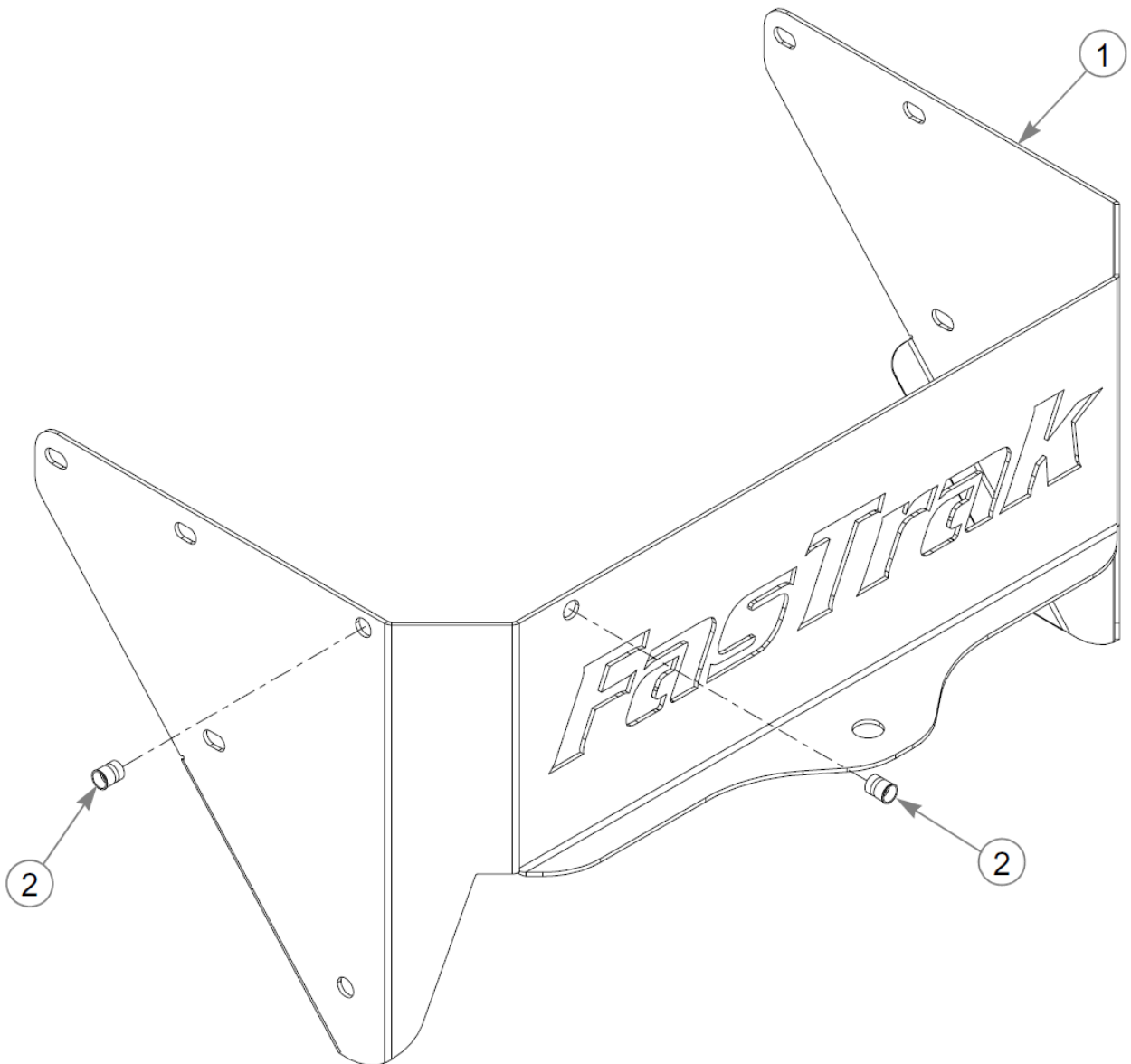
Elemento	Parte n.	Q.ta	Nome
1	N/A	11	RIVET NUT, 5/16-18 THREAD
2	546044	1	FRAME W/A, (CRATED)
	545962	1	FRAME W/A, (CRATED)



Idler Plate Rivet Nut Installation

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

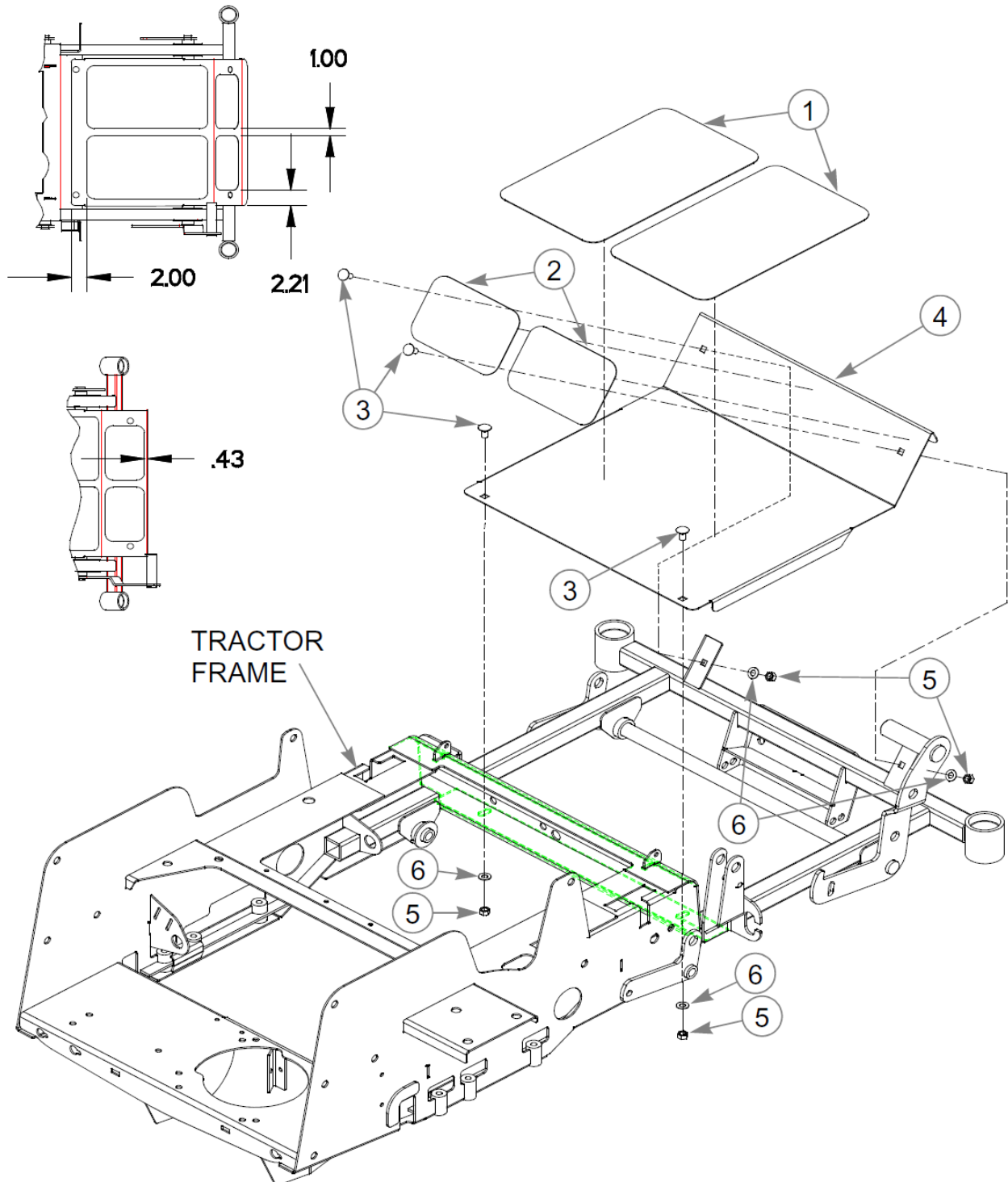
Elemento	Parte n.	Q.ta	Nome
1	N/A	3	RIVET NUT, 5/16-18 THREAD
2	551548	1	SVC IDLER PLATE



Engine Guard Rivet Nut Installation

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

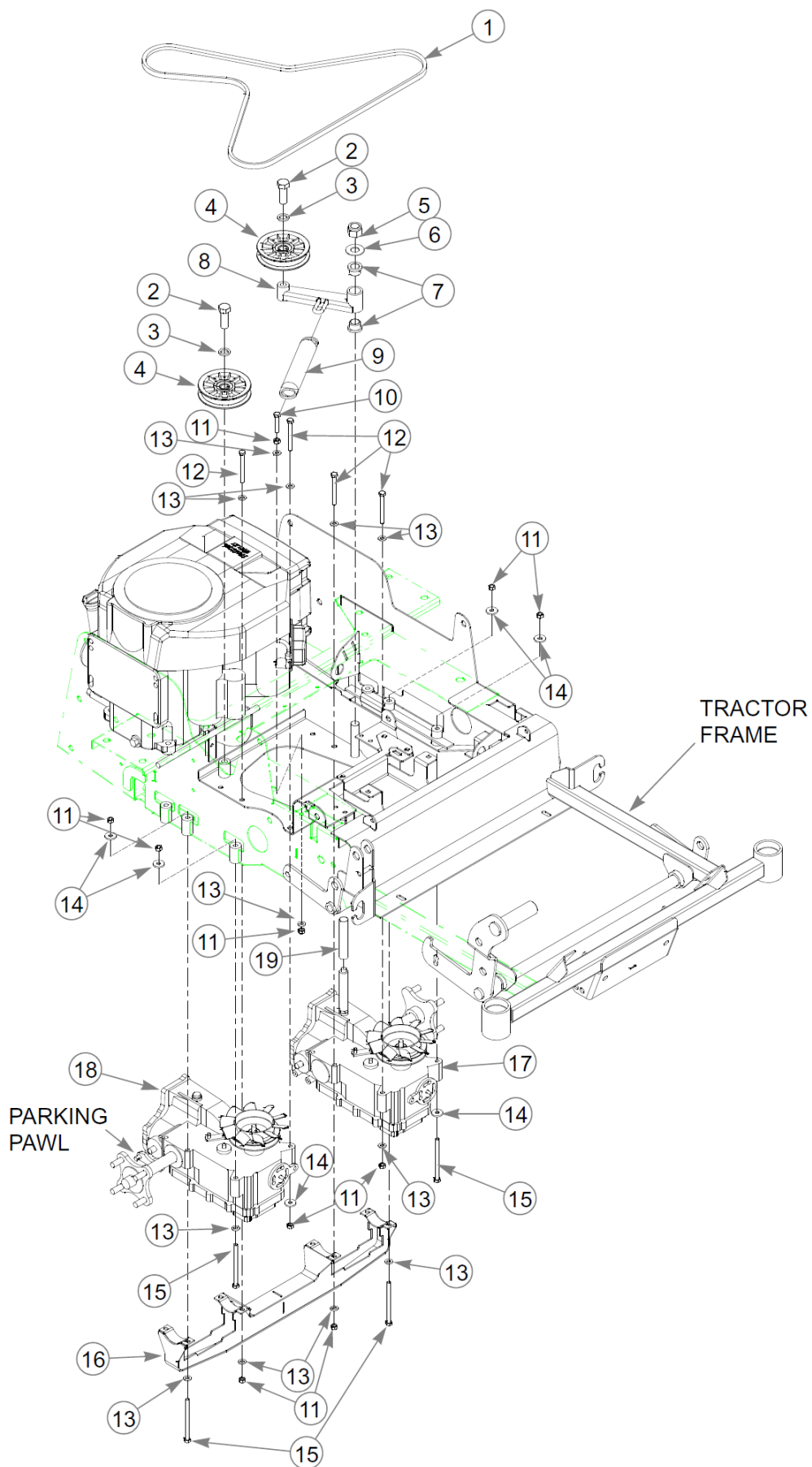
Elemento	Parte n.	Q.ta	Nome
1	551547	1	SVC ENGINE GUARD
2	N/A	2	RIVET NUT, 5/16-18 THREAD



Footrest Assembly

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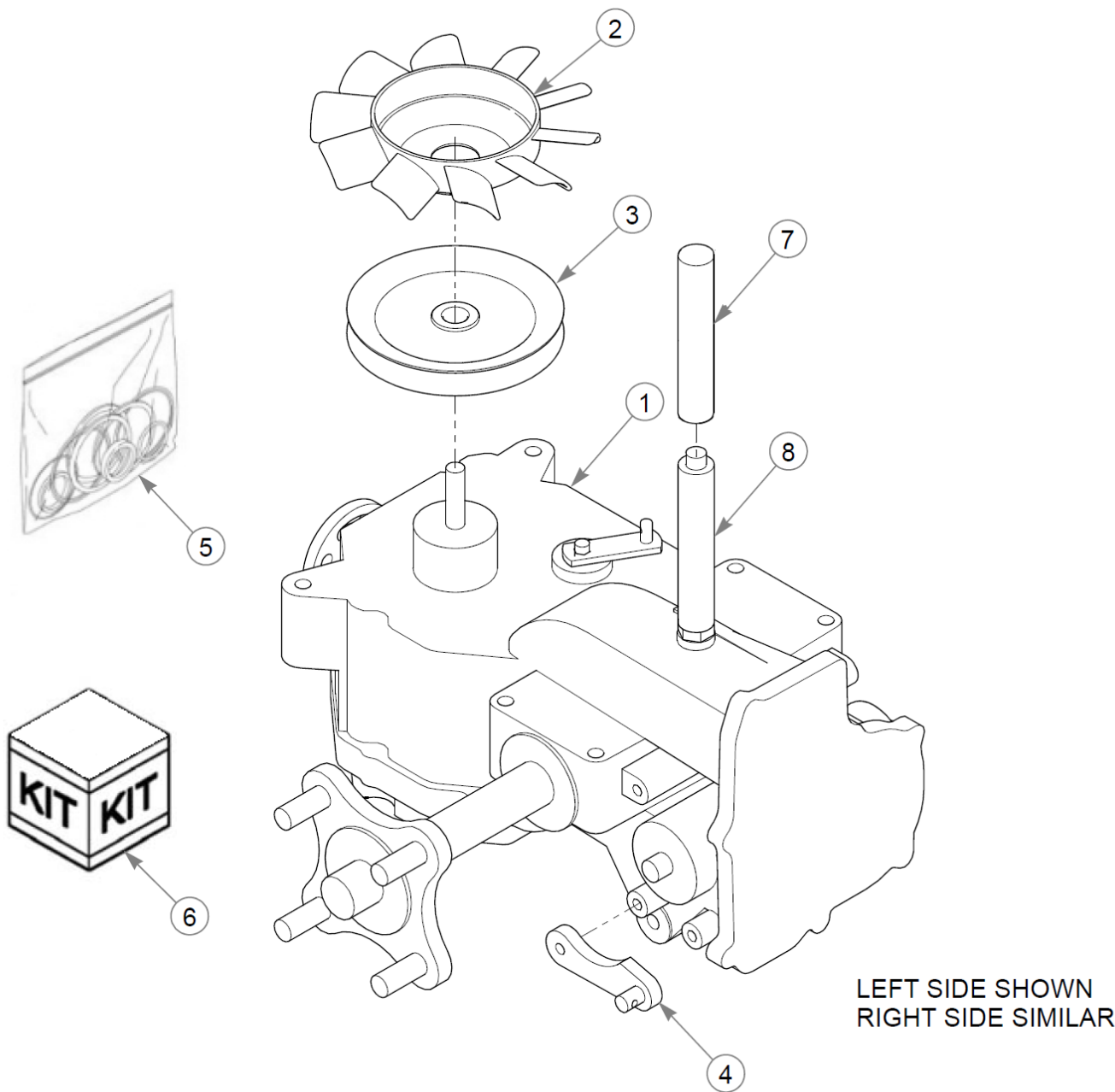
Elemento	Parte n.	Q.ta	Nome
1	785493	2	STEP TREAD, LOWER 9.00
2	785485	2	STEP TREAD, UPPER 5.00
3	011320	4	CB .375-16 X .750 STD ZN
4	355651	1	FLOOR PLATE
5	054502	4	NT .375-16HXG5
6	767954	4	FW .379 X .82 X .06 HD ZN



Transmissions & Drive Belt

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

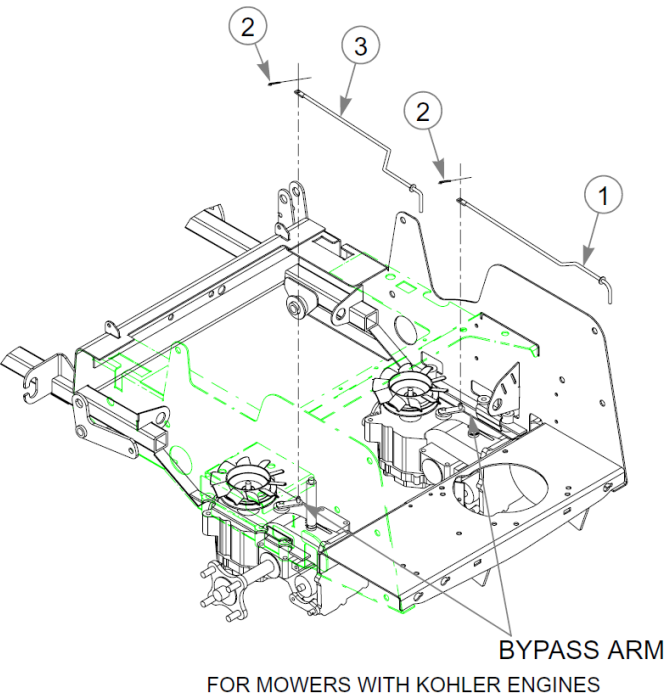
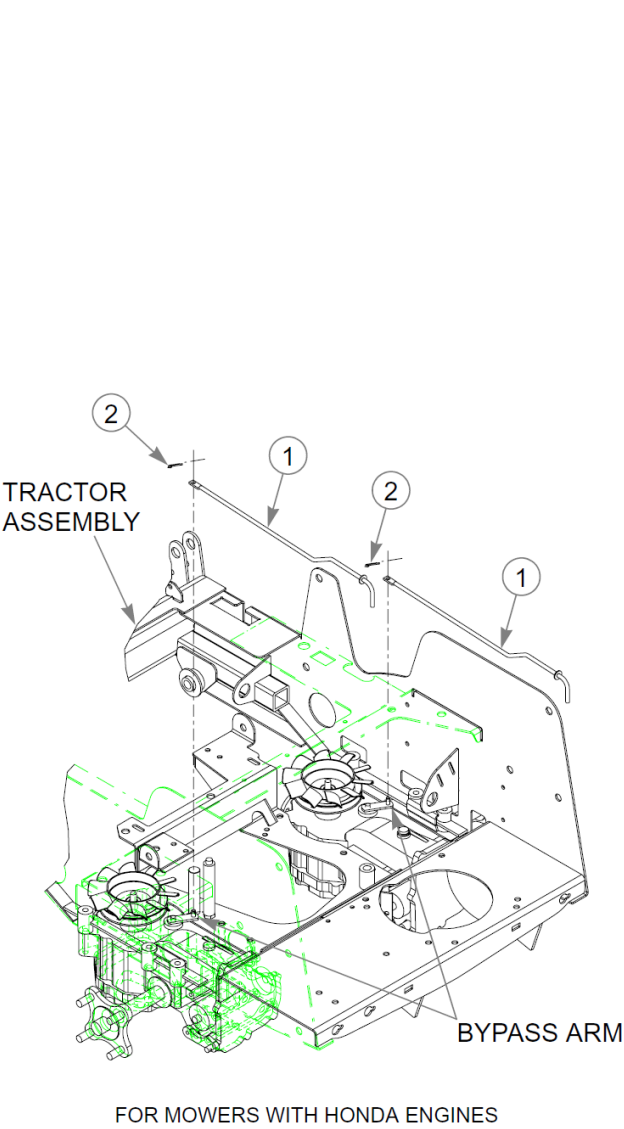
Elemento	Parte n.	Q.ta	Nome
1	784231	1	DRIVE BELT
	784231X	1	20PK, DRIVE BELT
2	025007	2	CS .62511X1.750HXG5
3	028118	2	FW 0.625X1.00X.13 ZN
4	784827	2	PULLEY, IDLER, 4.00"OD,
5	061101	1	NT .750-10 HX ZN NL GR B
6	025296	1	FW .760X1.63X0.08 ZN
7	781153	2	BUSHING, UHMW
8	363788	1	IDLER W/A PUMP
9	781302	1	IDLER SPRING
10	050161	1	CS .312-18X1.750HXG5
11	034272	14	NT .312-18HXG5
12	043067	6	CS .312-18X3.000HXG5
13	768523	14	FW .343 SAE
14	712927	10	FW 0.344X1.00X.12 HD ZN
15	785113	6	CS .312-18X4.250 HX G5
16	361212	1	LOWER MOUNT SUPPORT W/A
<p>Commenti per num parte 361212</p> <p>Refer to "Pump/Motor Service Parts" for service parts.</p>			
17	788067	1	PUMP/MOTOR COMBO, LEFT
<p>Commenti per num parte 788067</p> <p>Refer to "Pump/Motor Service Parts" for service parts.</p>			
18	788059	1	PUMP/MOTOR COMBO, RIGHT
<p>Commenti per num parte 788059</p> <p>This transmission is no longer available. Please contact HydroGear for service parts.</p>			
19	786301	1	SLEEVE, BREATHER IZT



Pump / Motor Combo Service Parts

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Elemento	Parte n.	Q.ta	Nome
1	782862	1	LEFT PUMP/MOTOR COMBO
	782854	1	RIGHT PUMP/MOTOR COMBO
2	785725	1	FAN, IZT FASTRAK
3	785717	1	PULLEY, IZT FASTRAK
4	784314	1	PARKING PAWL 71088
<p>Commenti per num parte 784314</p> <p>Left Hand Parking Pawl</p>			
	784306	1	PARKING PAWL 71087
<p>Commenti per num parte 784306</p> <p>Right Hand Parking Pawl.</p>			
5	785733	1	SEAL KIT, IZT FASTRAK
6	789511	1	FILTER KIT, C-IZT
7	786301	1	SLEEVE, BREATHER IZT
8	791749	1	BREATHER HOSE ASSY FAST



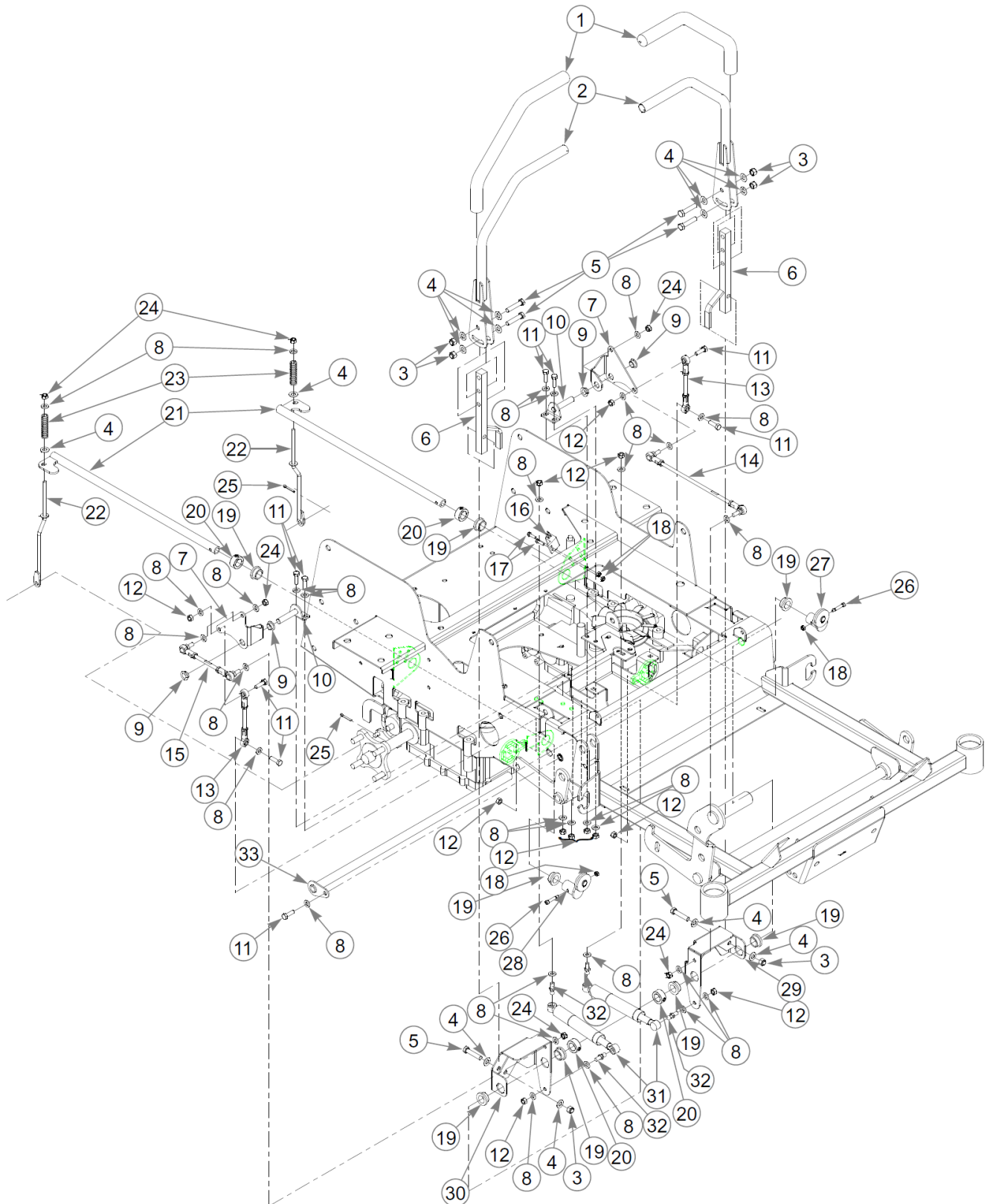
Towlink Installation

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	786269	2	TOW RELEASE LINK
2	017236	2	CP0.093X0.750HML
3	794651	1	TOW LINK-LH-KOH FASTRAK

Steering and Brake Assembly

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)



Steering and Brake Assembly

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
2	360487	2	S/C TO 128358 KIT
1	781260	2	GRIP, STEERING BAR
	128358	2	SVC, STEERING HANDLE KIT
3	086660	6	NT .375-16NLG8
4	767954	14	FW .379 X .82 X .06 HD ZN
5	705178	6	CS .375-16X1.750HXG5
6	363812	2	STEER ARM SUPPORT W/A (
7	360677	2	STEERCRANK LEVER
9	768259	4	BUSHING,IGUS#0810 (FS)
8	768523	31	FW .343 SAE
10	362251	2	PIVOT CRANK W/A (PLATED
11	036236	9	CS .312-18 X 1.000 HX G5
12	034272	12	NT .312-18HXG5
13	784405	2	PUMP ROD, FIXED ASSY
14	784355	1	PUMP ROD ADJUSTER ASSY
15	784371	1	PUMP ROD ADJUSTER ASSY
16	781211	2	SWITCH, PUSH BUTTON
17	063198	4	CS #10-24X0.750FLKG5
18	059832	6	NT #10-24 HX NL ZN
19	770867	8	BUSHING, PLAS .750x1(FS)
20	784439	4	LOCK COLLAR,0.757 ID(FS)
21	359737	2	BRAKE TUBE W/A PLATED
22	359745	2	BRAKE LINK
23	784421	2	SPRING, SUPPLIER # 2512
24	023655	6	NT 0.312-24 NL G8
25	017251	2	CP .156DX1.000 LG HML Z
26	785162	2	SB0.250X1.000SH#10-24
27	787879	1	ROLLER ARM, LH ASSEMBLY
28	787887	1	ROLLER ARM, RH ASSEMBLY
29	363176	1	STEER ARM PIVOT W/A, LE
30	361550	1	STEER ARM PIVOT W/A, RI
31	783696	2	DAMPER, CENTERING
32	781922	4	BALL STUD
33	361295	1	PIVOT TUBE W/A PLATED

Comments for Page: Steering and Brake Assembly

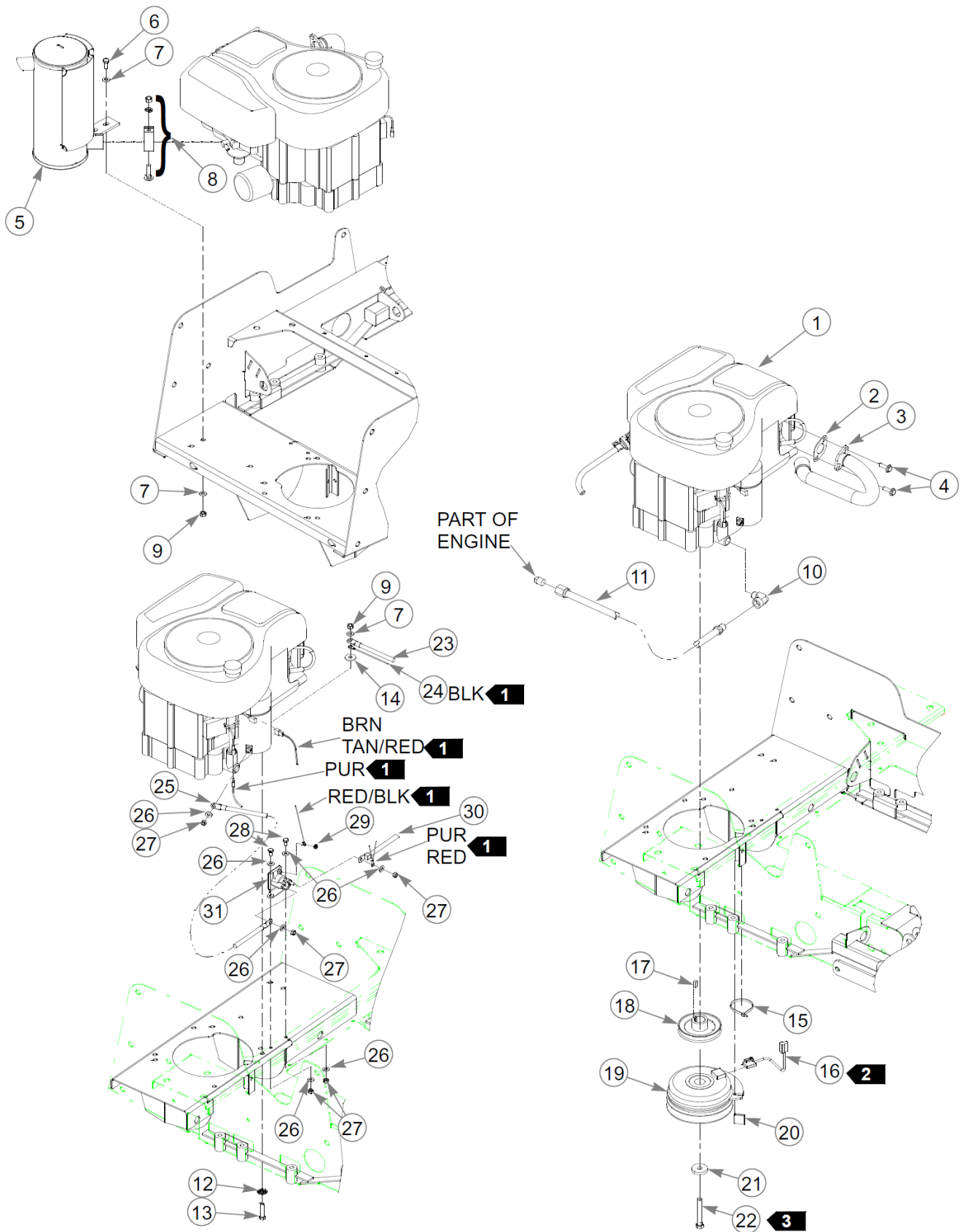
1. Items 27 & 28: Includes 078386 FW and 784819 Retaining Ring.

Steering and Brake Assembly

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

2. Item 2: Includes Item 1 (781260 Steering Bar Grip).

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Elemento	Parte n.	Q.ta	Nome
1	N/A	1	BRIGGS 17.5 HP ELS SINGLE ENGINE
2	780841	1	KAW (23) GASKET, MUF(FS)
3	786012	1	MANIFOLD, 17.5 B&S
4	016287	2	CS .312-18X1.000FLK
5	785410	1	MUFFLER, 16 HONDA;17B&S
6	034280	2	CS .312-18X0.750HXG5
7	768523	5	FW .343 SAE
8	785378	1	CLAMP, MUFFLER 1.50"
9	034272	6	NT .312-18HXG5
10	786954	1	ELBOW,90 STRT 3/8NPT BR
11	771378	1	HYDRO HOSE, PUSHLOC 16.
12	029876	4	LW .312 INTEXT ZN
13	050161	4	CS .312-18X1.750HXG5
14	712927	4	FW 0.344X1.00X.12 HD ZN
15	000331	1	WIRE TIE, SMALL/SHORT
16	791251	1	HARNESS, CLUTCH PIGTAIL
<p>Commenti per num parte 791251</p> <p>Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material.</p>			
17	712372	1	KEY 1/4 SQ X 0.66 LG(FS)
18	786616	1	PULLEY, PUMPDRIVE (pain
19	784835K	1	CLUTCH KIT
20	784918	1	BUMPER, RUBBER
21	763417	1	FW 0.454X1.50X.25 NF
22	785048	1	CS .437-20X3.00 HXG5 P85
23	785071	1	BATTERY CABLE, NEGATIVE
24	786186	1	WIRE HARNESS, FASTRAK 1
25	768820	1	CABLE, BATTERY GROUND
26	768515	7	FW 0.281SAE
27	024927	5	NT .250-20HXG5
28	055947	2	CS .250-20X0.50 HX G5 ZN
29	044255	1	NT #10-32HXG5
30	786632	1	BATTERY CABLE, POS RED
31	030817	1	STARTER SOLENOID

Comments for Page: Briggs & Stratton 17.5 HP Engine, Wire Harness & Clutch

1. Part of Item 24 (786186 FasTrak 17.5 HP B & S Wire Harness).

2. Item 16: Connected to Item 24 (786186 FasTrak 17.5 HP B & S Wire Harness).

3. Item 22: Torque to 45-48 ft-lb.

4. Engine oil capacity; 1.5 US qts. (see engine manual).

5. Engine speed; High speed - 3450 \pm 50 RPM.

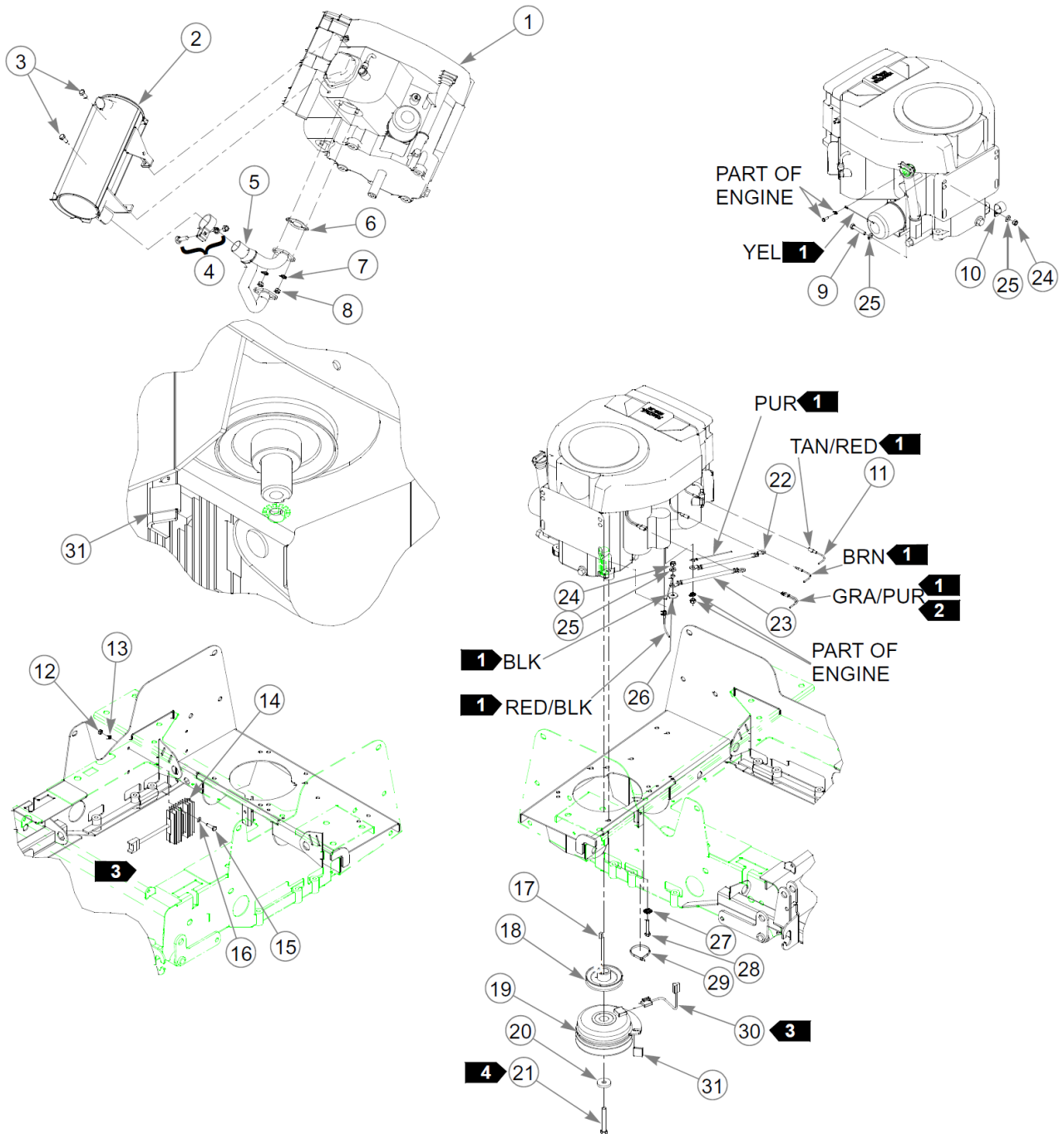
ENGINE SERVICE PARTS:

787002 OIL FILTER

786988 AIR CLEANER CARTRIDGE

785626 FUEL FILTER

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Elemento	Parte n.	Q.ta	Nome
1		1	HONDA 20HP ENGINE
		1	HONDA 18HP ENGINE
2	784843	1	MUFFLER, 18/20/24 HONDA
3	720177	2	CS M8-1.25X20FLG10.9
4	785378	1	CLAMP, MUFFLER 1.50"
5	784959	1	MANIFOLD,18/20/24 HONDA
6	785543	2	HONDA (20) GASKET, MUFF
7	017004	4	LW0.312SPLIT
8	782664	4	NT M8-1.25 HX SS 316
9	050161	1	CS .312-18X1.750HXG5
10	000398	1	CLAMP
11	784868	1	WIRE HARNESS, FASTRAK
12	024927	2	NT .250-20HXG5
13	017038	2	LW .250 MED SPRING ZN
14	785477	1	RECTIFIER,HONDA 20 AMP
15	056077	2	CS .250-20X1.000HXG5
16	768515	2	FW 0.281SAE
17	712372	1	KEY 1/4 SQ X 0.66 LG(FS)
18	786616	1	PULLEY, PUMPDRIVE (pain
19	784835K	1	CLUTCH KIT
20	763417	1	FW 0.454X1.50X.25 NF
21	785048	1	CS .437-20X3.00 HXG5 P85
22	785063	1	BATTERY CABLE, POSITIVE
23	785071	1	BATTERY CABLE, NEGATIVE
24	034272	5	NT .312-18HXG5
25	768523	3	FW .343 SAE
26	712927	4	FW 0.344X1.00X.12 HD ZN
27	029876	4	LW .312 INTEXT ZN
28	052837	4	CS .312-18X1.500HXG5
29	000331	1	WIRE TIE, SMALL/SHORT
30	791251	1	HARNESS, CLUTCH PIGTAIL
<p>Commenti per num parte 791251</p> <p>Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material.</p>			
31	784918	1	BUMPER, RUBBER

Comments for Page: Honda 18 & 20 HP Engine, Wire Harness & Clutch

1. Part of Item 11 (784868 FasTrak wire harness).

2. Two wires.
3. Item 30: Connected to Item 11 (784868 FasTrak wire harness).
4. Item 21: Torque to 45-48 ft-lb.
5. Engine oil capacity; 2.3 US qts. (with filter), see engine manual.
6. Engine speed; High speed - 3450 \pm 50 RPM.

ENGINE SERVICE PARTS:

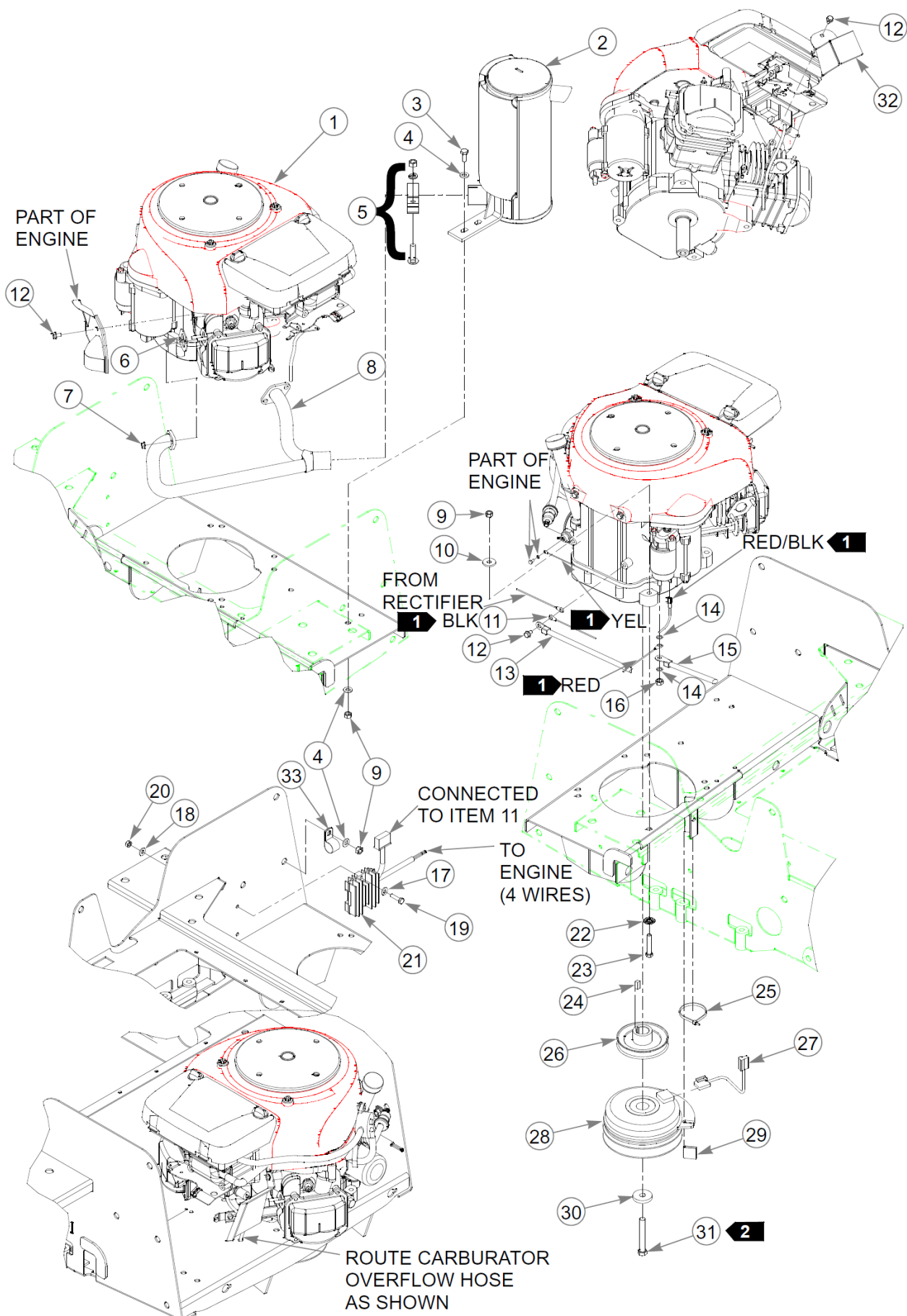
785634 OIL FILTER

785600 AIR FILTER

785618 PRECLEANER FILTER

785626 FUEL FILTER

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Honda 16 HP Engine, Wire Harness & Clutch

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Elemento	Parte n.	Q.ta	Nome
1		1	HONDA 16HP ENGINE
2	785410	1	MUFFLER, 16 HONDA;17B&S
3	034280	2	CS .312-18X0.750HXG5
4	768523	5	FW .343 SAE
5	785378	1	CLAMP, MUFFLER 1.50"
6	785543	2	HONDA (20) GASKET, MUFF
7	005231	4	NT M6-1.00FLG
8	785402	1	MANIFOLD,16 HONDA
9	034272	7	NT .312-18HXG5
10	712927	4	FW 0.344X1.00X.12 HD ZN
11	786178	1	WIRE HARNESS, FASTRAK 1
12	739144	AR	CS M6-1.00X12HXG10.9
13	786640	1	BATTERY CABLE, NEGATIVE
14	725267	2	FW 0.318X0.472X0.047
15	786632	1	BATTERY CABLE, POS RED
16	782664	1	NT M8-1.25 HX SS 316
17	768515	2	FW 0.281SAE
18	017038	2	LW .250 MED SPRING ZN
19	056077	2	CS .250-20X1.000HXG5
20	024927	2	NT .250-20HXG5
21	787267	1	HONDA RECTIFIER 16AMP
22	029876	4	LW .312 INTEXT ZN
23	050161	4	CS .312-18X1.750HXG5
24	712372	1	KEY 1/4 SQ X 0.66 LG(FS)
25	000331	1	WIRE TIE, SMALL/SHORT
26	786616	1	PULLEY, PUMPDRIVE (pain
27	791251	1	HARNESS, CLUTCH PIGTAIL
<p>Commenti per num parte 791251</p> <p>Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material.</p>			
28	784835K	1	CLUTCH KIT
29	784918	1	BUMPER, RUBBER
30	763417	1	FW 0.454X1.50X.25 NF
31	785048	1	CS .437-20X3.00 HXG5 P85
32	378273	1	HEAT SHIELD, 16HP EXHAU
33	043570	1	CLIP - HOSE - SINGLE(FS)

Comments for Page: Honda 16 HP Engine, Wire Harness & Clutch

Honda 16 HP Engine, Wire Harness & Clutch

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

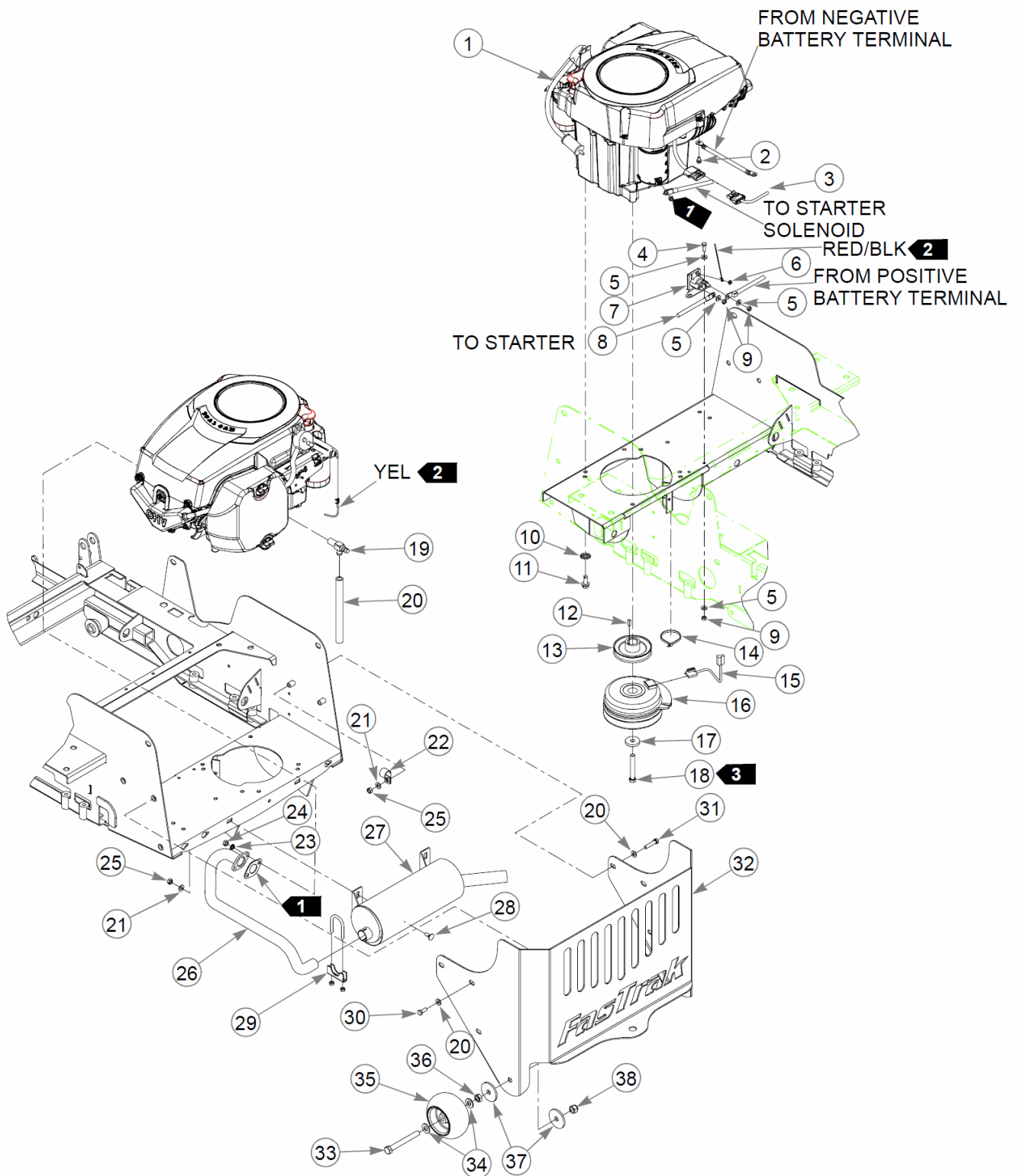
1. Part of item 11 (786178 FasTrak 16 Honda Wire Harness).
2. Item 31: Torque to 45-48 ft-lb.
3. Engine oil capacity; 1.37 US qts. (with filter), 1.22 US qts. (w/o filter), see engine manual.
4. Engine speed; High speed - 3450 \pm 50 RPM.

ENGINE SERVICE PARTS:

787234 OIL FILTER

787226 AIR FILTER

Pagina lasciata volutamente in bianco



Elemento	Parte n.	Q.ta	Nome
1	N/A	1	KOHLER 18 HP SV540S ENGINE
	N/A	1	KOHLER 20 HP SV600S ENGINE
2	739144	1	CS M6-1.00X12HXG10.9
3	792754	1	WIRE HARNESS,KOH FASTRA
4	055939	2	CS .250-20X0.75 HX G5 ZN
5	768515	6	FW 0.281SAE
6	044255	1	NT #10-32HXG5
7	030817	1	STARTER SOLENOID
8	792762	1	BATTERY CABLE, POS red
9	024927	4	NT .250-20HXG5
10	793885	4	LW .375 INTEXT ZN
11	036244	4	CS .375-16 X 1.00 HX G5 ZN
12	712372	1	KEY 1/4 SQ X 0.66 LG(FS)
13	786616	1	PULLEY, PUMPDRIVE (pain
14	000331	1	WIRE TIE, SMALL/SHORT
15	791251	1	HARNESS, CLUTCH PIGTAIL
<p>Commenti per num parte 791251</p> <p>Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material.</p>			
16	784835K	1	CLUTCH KIT
17	763417	1	FW 0.454X1.50X.25 NF
18	785048	1	CS .437-20X3.00 HXG5 P85
19	796516	1	VALVE,OIL DRAIN 3/8-18
20	104786	1	OIL DRAIN HOSE
21	768523	9	FW .343 SAE
22	043570	1	CLIP - HOSE - SINGLE(FS)
23	017004	2	LW0.312SPLIT
24	782664	2	NT M8-1.25 HX SS 316
25	034272	3	NT .312-18HXG5
26	792739	1	EXHAUST MANIFOLD-KOH FA
27	792747	1	MUFFLER-KOH FASTRAK
28	016253	2	CB .312-18X .750 FUL ZN
29	794180	1	CLAMP,EXHAUST - 1.125"
30	034280	5	CS .312-18X0.750HXG5
31	756270	1	CS .312-18X1.500HXG5
32	337444	1	ENGINE GUARD,KOH FASTRA
33	781708	2	CS .500-13X4.25 HX G5 ZN
34	767962	4	FW .531 x 1.063 x .175
35	031997	2	ANTI-SCALP WHEEL

Pagina lasciata volutamente in bianco

Elemento	Parte n.	Q.ta	Nome
36	053199	2	NT .500-13JAMG5
37	344267	4	FW .510X2.15X.19 ZN
38	781567	2	NT .500-13NLG5
	788166	2	WHEEL ASSY, ANTI SCALP

Comments for Page: Kohler 18 & 20 HP Engine, Wire Harness & Clutch

1. Included with engine.
2. Part of item 3 (792754 FasTrak Kohler wire harness).
3. Torque to 45-48 ft-lb.
4. The anti-scalp wheel assembly includes Items 33 through 36.
5. Item 11: Torque to 30-35 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.

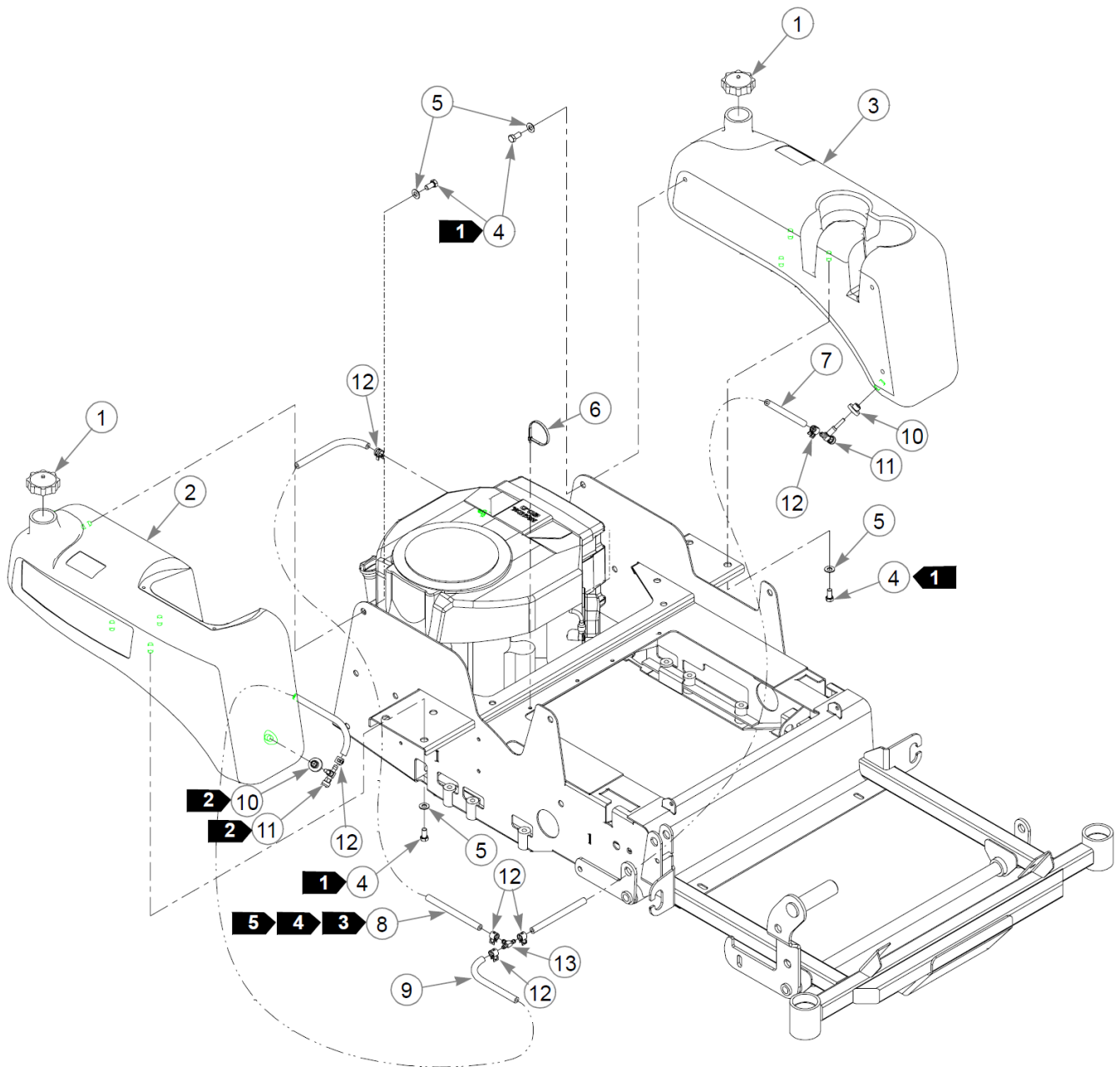
ENGINE SERVICE PARTS:

747303 OIL FILTER

794370 PAPER AIR FILTER

068478 KOHLER FUEL FILTER IN-LINE

Fuel System



Fuel System

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	784181	2	CAP, FUEL TANK
2	796318	1	FUEL TANK
3	796326	1	FUEL TANK
<p>Commenti per num parte 796326</p> <p>796326 FUEL TANK is no longer produced by the manufacturer. Unfortunately, there is no replacement for this fuel tank available.</p>			
4	055822	12	CS .375-16X0.75 HX G5 ZN
5	712919	12	FW 0.406X1.00X.12 HD ZN
6	000331	5	WIRE TIE, SMALL/SHORT
7	015818P	1	FUEL LINE, 1/4" - 6 FT
8	015818P	1	FUEL LINE, 1/4" - 6 FT
8.1	015818P	1	FUEL LINE, 1/4" - 6 FT
8.2	015818P	1	FUEL LINE, 1/4" - 6 FT
9	015818P	1	FUEL LINE, 1/4" - 6 FT
10	784348	2	GROMMET,FUEL SHUT-OFF V
11	783944K	2	FUEL VALVE SVC KIT
12	000323	6	CLIP, HOSE CLAMP
13	781633	1	FTG + -6BARB/-6BARB

Comments for Page: Fuel System

1. Item 4: Torque to 20 ft.-lbs.

2. Item 10: Supplied with new fuel tank. Not sold separately.

3. Item 8: Length for mowers with Honda engines only.

4. Item 8.1: Length for mowers with Briggs & Stratton engines only.

5. Item 8.2: Length for mowers with Kohler engines only.

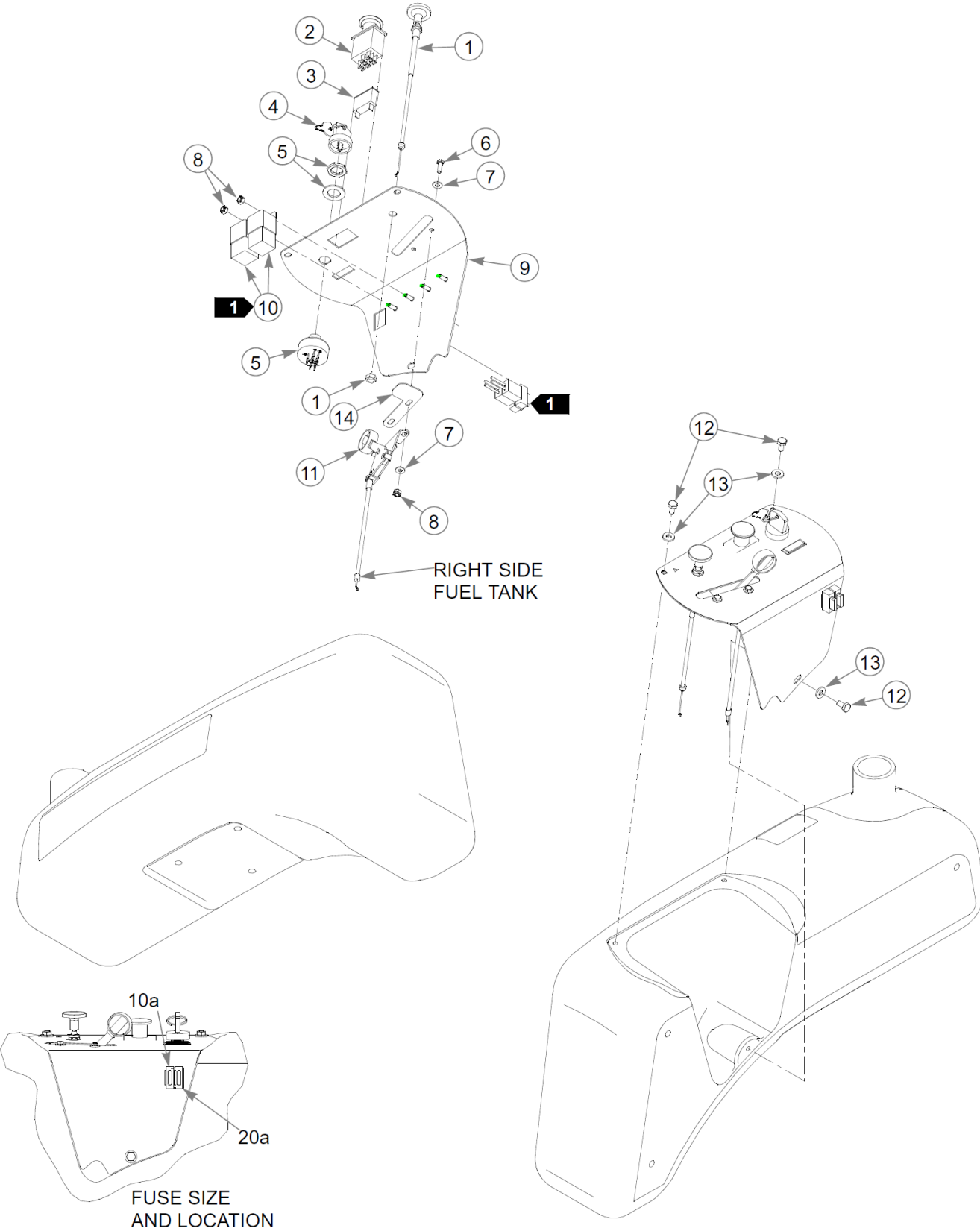
1. Item 4: Torque to 20 ft.-lbs.

2. Item 10: Supplied with new fuel tank. Not sold separately.

3. Item 8: Length for mowers with Honda engines only.

4. Item 8.1: Length for mowers with Briggs & Stratton engines only.

5. Item 8.2: Length for mowers with Kohler engines only.



Instrument Panel

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	785196	1	CABLE, CHOKE
	785030	1	CABLE, CHOKE
	786657	1	CABLE, CHOKE
2	776476	1	SWITCH, PTO 6201-321
3	712257	1	INDICATOR LIGHT, RED(FS)
4	785808	1	KEY ASSEMBLY
5	045898	1	IGNITION SWITCH
6	714998	2	MS#10-24X0.625HX
7	704932	4	FW 0.219X.50X.05 ZN
8	059832	4	NT #10-24 HX NL ZN
9	365411	1	INSTRUMENT PANEL W/A FA
10	601053	2	RELAY, SEALED W/BACKET
11	768879	1	CABLE, THROTTLE
	787788	1	CABLE, THROTTLE
12	055947	3	CS .250-20X0.50 HX G5 ZN
13	768515	3	FW 0.281SAE
14	102707	1	STOP, CE THROTTLE

Comments for Page: Instrument Panel

1. Item 10: Part of 784868, 786186, 792754 or 786178 (Mower Wire Harness).

2. Item 14: Used on CE models only.

Choke & Throttle Cable usage:

16 HP HONDA ENGINE:

785030 CHOKE CABLE

787788 THROTTLE CABLE

17.5HP BRIGGS & STRATTON ENGINE:

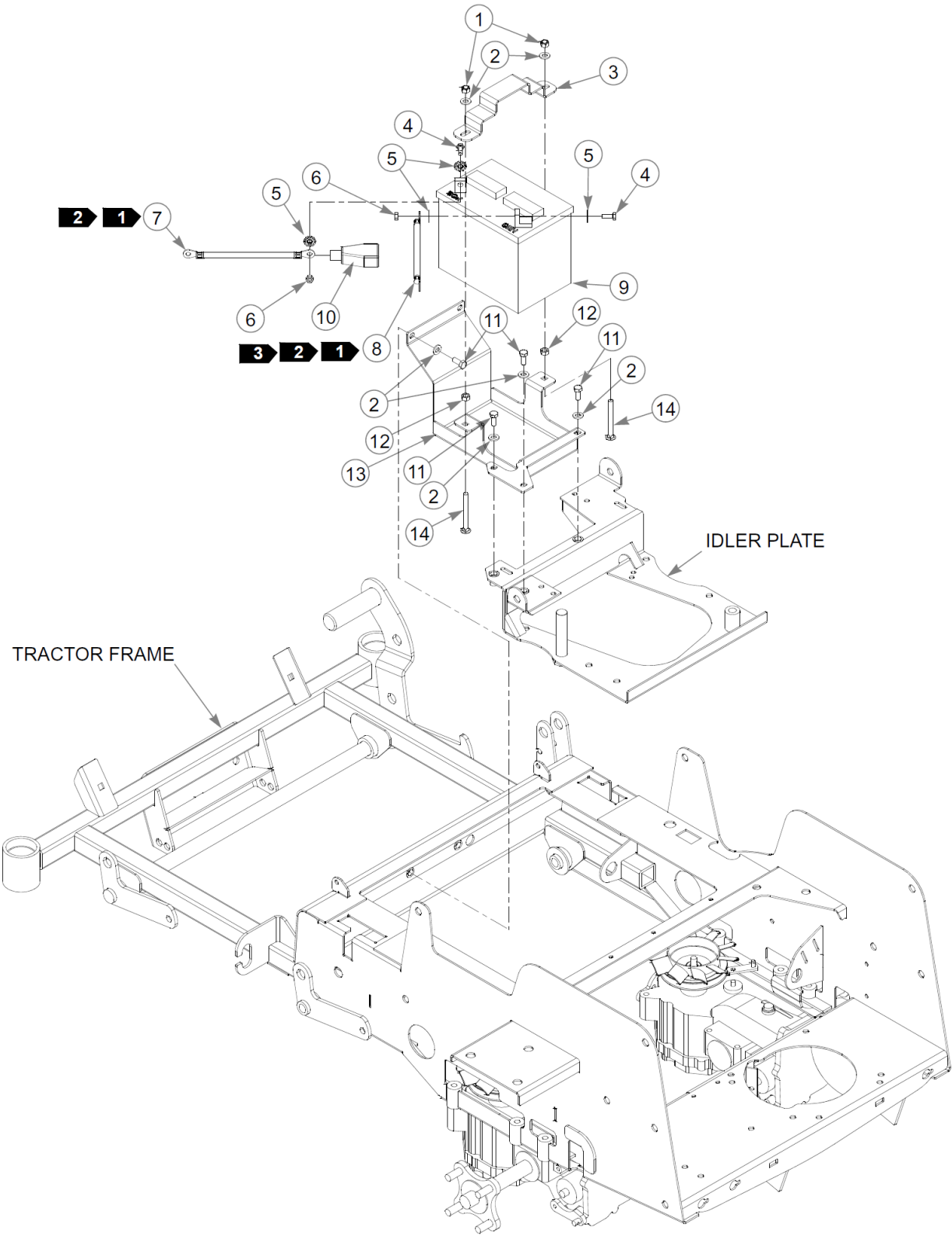
786657 CHOKE CABLE

768879 THROTTLE CABLE

18HP & 20HP HONDA & KOHLER:

785196 CHOKE CABLE

768879 THROTTLE CABLE



Battery

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	058776	2	NT .312-18NLG5
2	768523	7	FW .343 SAE
3	348417	1	STRAP, BATTERY CLAMP
4	055939	2	CS .250-20X0.75 HX G5 ZN
5	029868	4	LW .250 INTEXT ZN
6	024927	2	NT .250-20HXG5
7	785063	1	BATTERY CABLE, POSITIVE
	786632	1	BATTERY CABLE, POS RED
	793216	1	BATTERY CABLE,POS RED 2
8	785071	1	BATTERY CABLE, NEGATIVE
	786640	1	BATTERY CABLE, NEGATIVE
	795146	1	NEGATIVE BATTERY CABLE
9	N/A	1	BATTERY VU1LH-8
10	771428	1	BATTERY CBL BOOT-RED(FS)
11	034280	5	CS .312-18X0.750HXG5
12	034272	2	NT .312-18HXG5
13	364174	1	BATTERY SUPPORT
14	779850	2	CB .312-18X 3.00 FUL ZN

Comments for Page: Battery

1. Honda 18 & 20 HP Engines

- P/N 785063 POSITIVE BATTERY CABLE
- P/N 785071 NEGATIVE BATTERY CABLE

2. Briggs & Stratton Engines

- P/N 786632 POSITIVE BATTERY CABLE
- P/N 785071 NEGATIVE BATTERY CABLE

Honda 16 HP Engines

- P/N 786632 POSITIVE BATTERY CABLE
- P/N 786640 NEGATIVE BATTERY CABLE

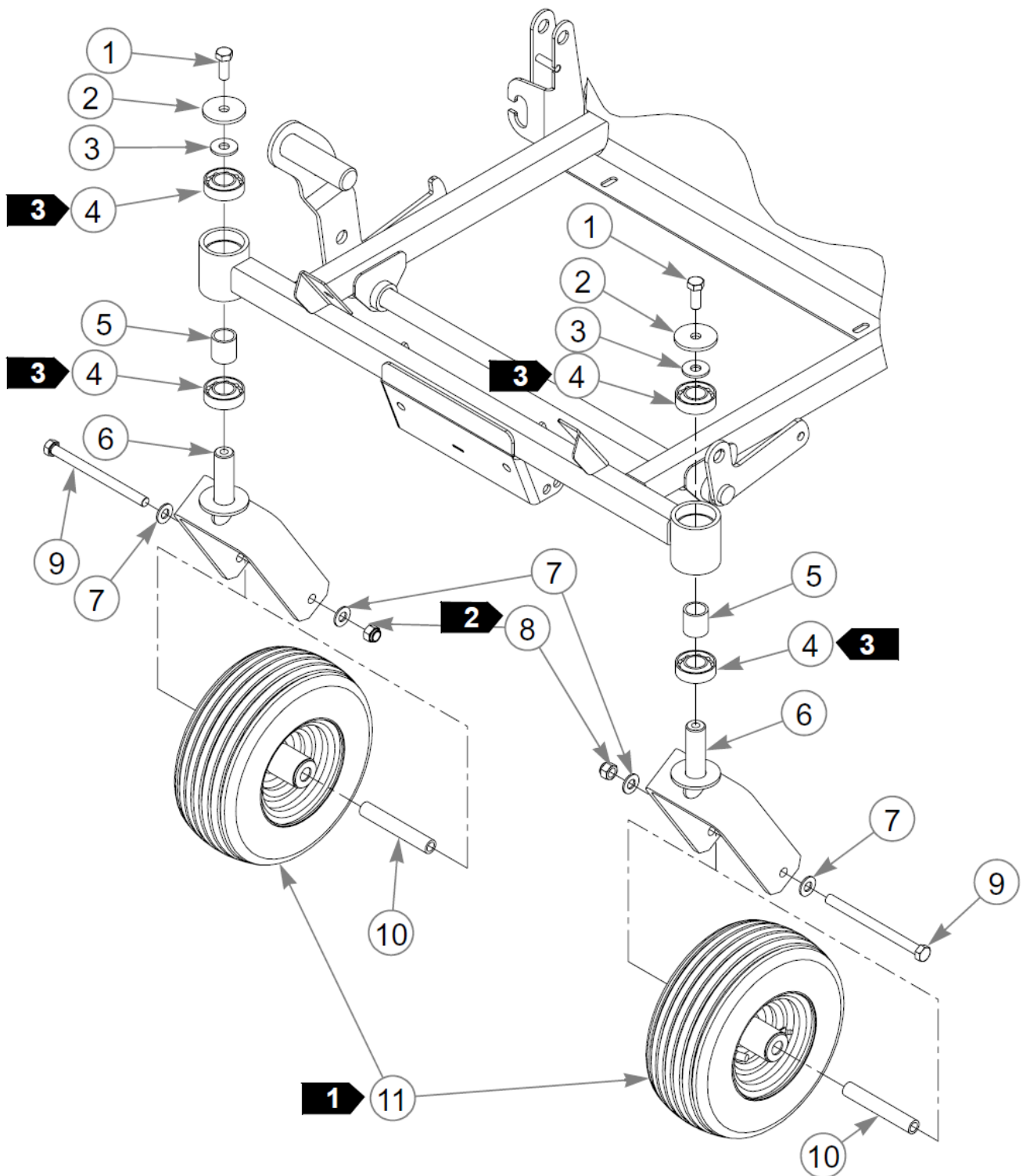
3. Kohler Engines

- P/N 793216 POSITIVE BATTERY CABLE
- P/N 795146 NEGATIVE BATTERY CABLE

4. Battery is not installed on CE units nor in non CE units for sales outside the U.S.

Front Wheel Assembly

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)



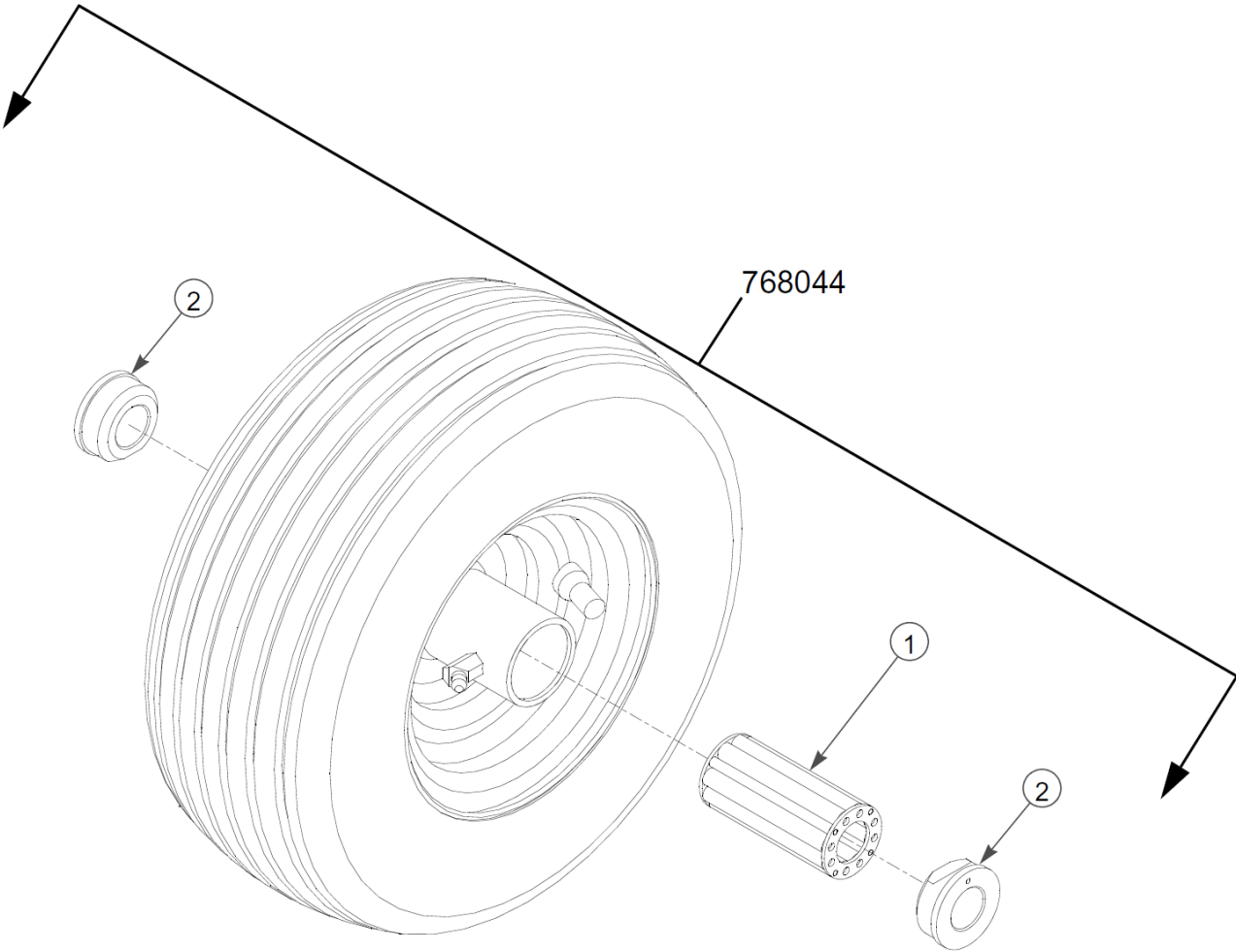
Front Wheel Assembly

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	705954	2	CS .500-13X1.25 HX G5 ZN
2	344267	2	FW .510X2.15X.19 ZN
3	712976	2	FW 0.531 X 1.38 X .12 ZN
4	784223	4	BEARING
5	784603	2	SPACER
6	339689	2	CASTER FORK W/A, WB/FAS
7	767962	4	FW .531 x 1.063 x .175
8	781567	2	NT .500-13NLG5
9	042630	2	CS .500-13X6.500HXG5
10	306969	2	GAGE WHEEL SPACER
11	768044	2	T/W 11X4.00-5 RIBBED

Comments for Page: Front Wheel Assembly

1. Item 11: Apply grease to zerks.
2. Item 8: Torque to 75 ft.-lbs.
3. Item 4: Assemble with extended inner race down.



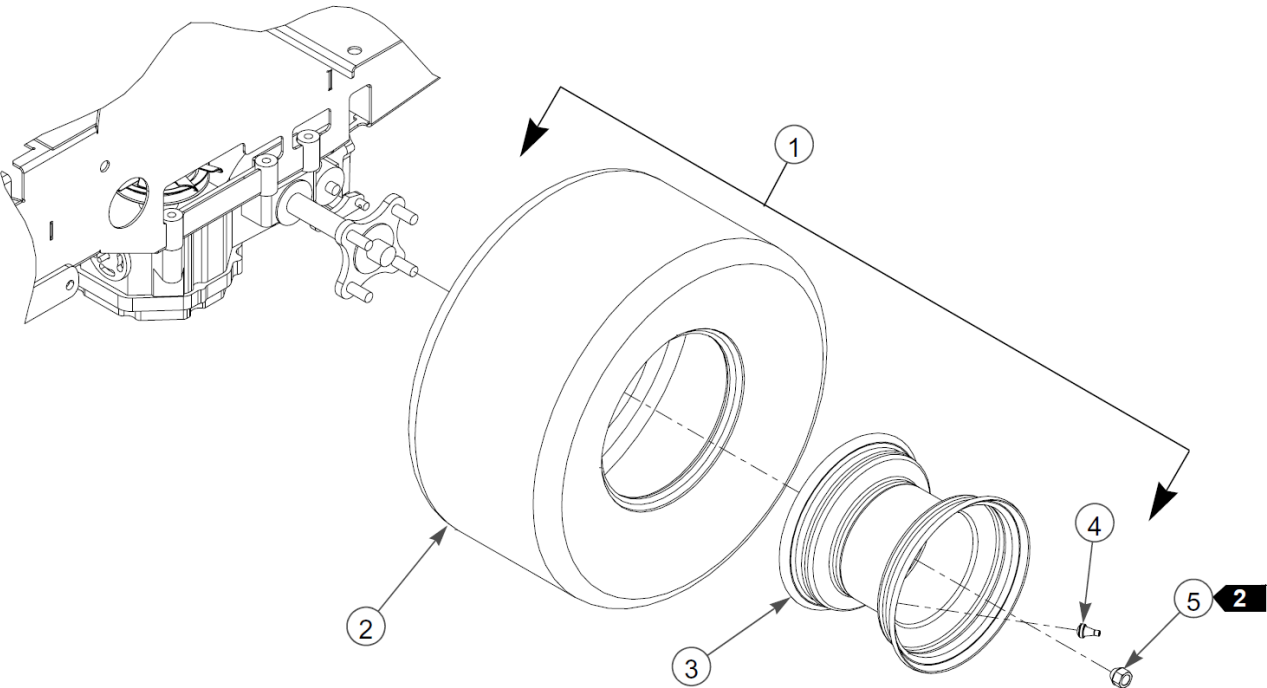
Front Wheel Breakdown—768044

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	772814	1	BEARING, 3/4" ROLLER
2	772806	2	BEARING CAP

Comments for Page: Front Wheel Breakdown—768044

1. Inflate tire to 8-10 psi.



Drive Wheel Assembly - 783134 (52" Mower)

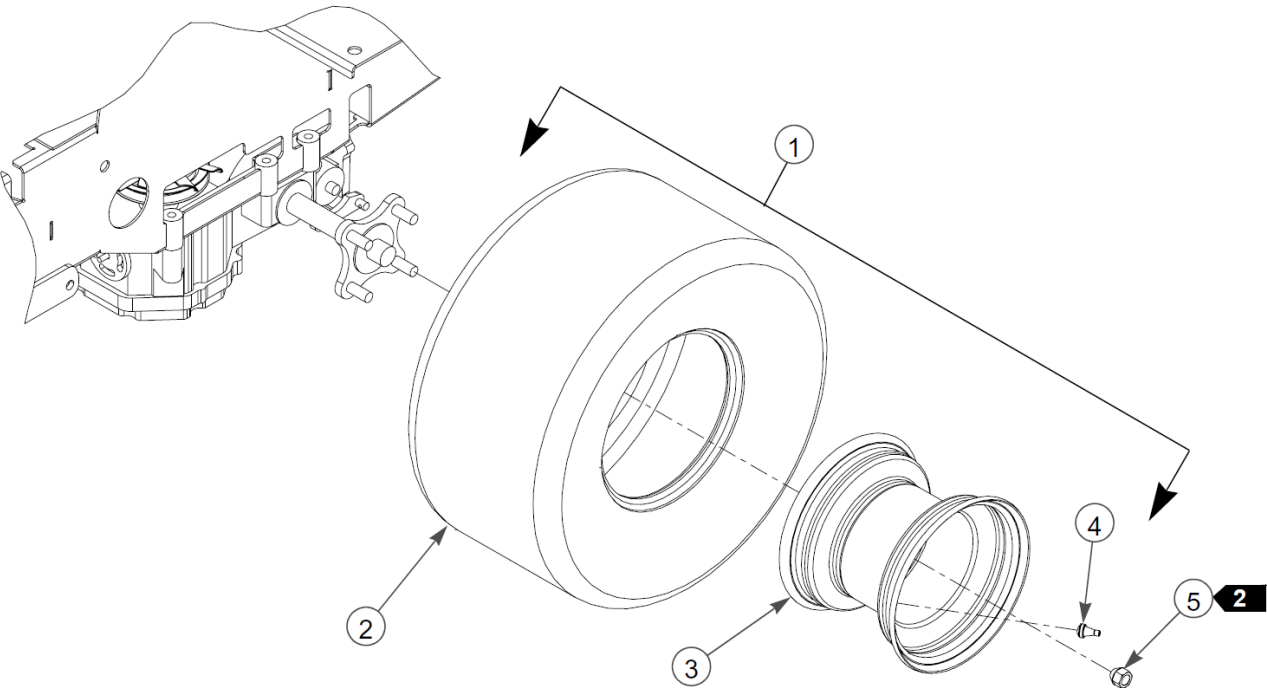
Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	784264	2	TIR/WHL 18X9.50-8 SLV
2	784272	1	TIRE 18 X 9.5-8
3	784280	1	WHL 8X6.19 4X4.0 SLV
4	019521	1	TIRE VALVE TR-412 GOODY
5	061077	4	WHEEL NUT

Comments for Page: Drive Wheel Assembly - 783134 (52" Mower)

1. Inflate tire to 8-10 psi.

2. Item 5: Torque to 65 ft-lbs



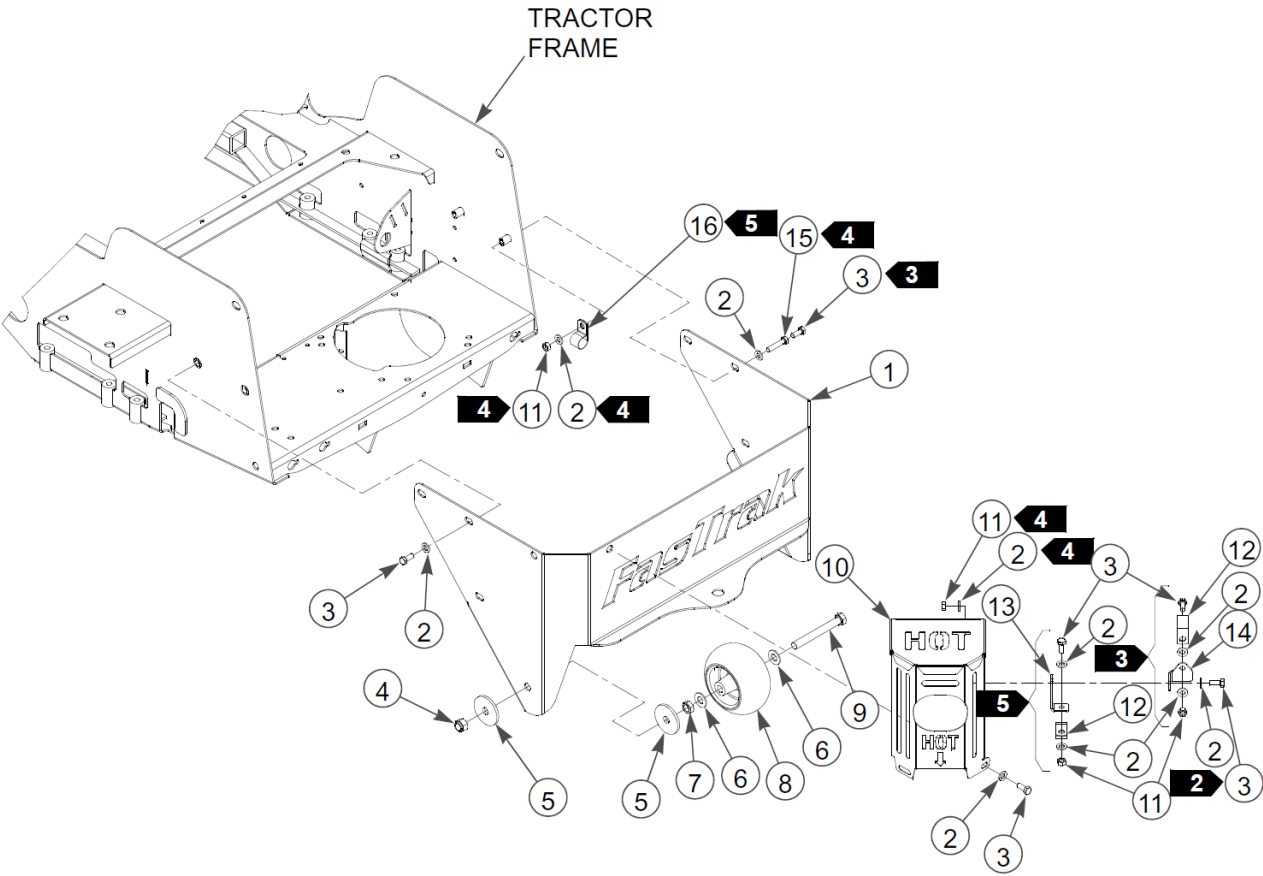
Drive Wheel Assembly - 783134 (44" Mower)

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	783134	2	TIR/WHL 18X8.50-8 SLV
2	783142	1	TIRE 18 X 8.5-8
3	783159	1	WHL 8X7.00 4X4.0 SLV
4	019521	1	TIRE VALVE TR-412 GOODY
5	061077	4	WHEEL NUT

Comments for Page: Drive Wheel Assembly - 783134 (44" Mower)

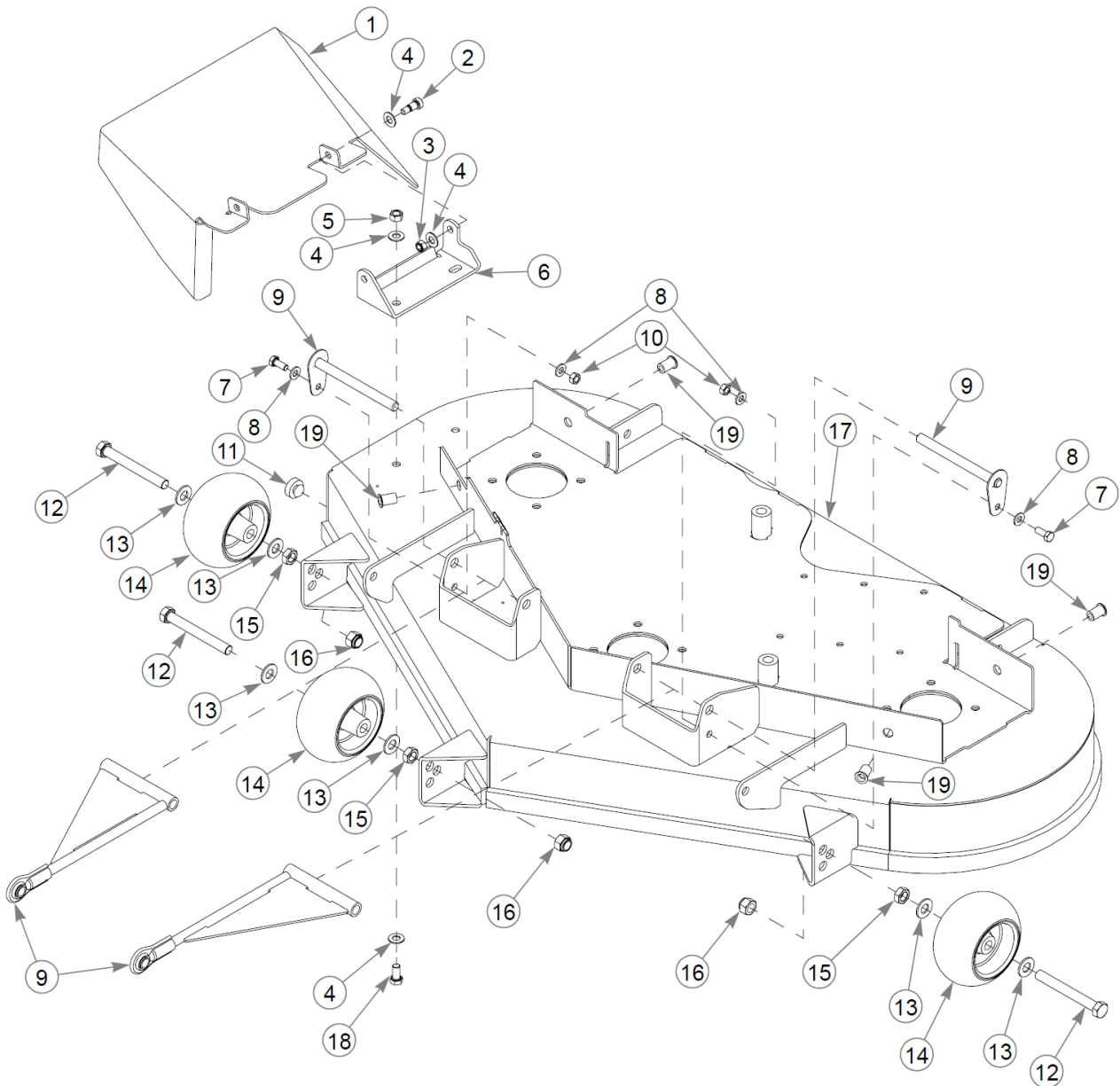
1. Inflate tire to 8-10 psi.
2. Item 5: Torque to 65 ft-lbs



Elemento	Parte n.	Q.ta	Nome
1	551547	1	SVC ENGINE GUARD
2	768523	12	FW .343 SAE
3	034280	9	CS .312-18X0.750HXG5
4	781567	2	NT .500-13NLG5
5	344267	4	FW .510X2.15X.19 ZN
10	365478	1	MUFFLER GUARD W/A FASTR
11	034272	3	NT .312-18HXG5
12	000398	1	CLAMP
13	378703	1	BRACKET, CHOKE & THROTT
14	377242	1	BRACKET, FUEL LINE MOUN
15	756270	1	CS .312-18X1.500HXG5
16	043570	1	CLIP - HOSE - SINGLE(FS)
	000398	1	CLAMP
	788166	2	WHEEL ASSY, ANTI SCALP
6	767962	4	FW .531 x 1.063 x .175
7	053199	2	NT .500-13JAMG5
8	031997	2	ANTI-SCALP WHEEL
9	781708	2	CS .500-13X4.25 HX G5 ZN

Comments for Page: Anti-Rollover Wheel Assembly—Honda and Briggs

1. 788166 (ANTI SCALP WHEEL ASSEMBLY): Includes Items 6 through 9.
2. Item 3: Bolts to muffler bracket for 18 & 20 HP Honda engines and to item 10 for 16 HP Honda and 17.5 HP Briggs engines.
3. Item 3: Used on 18 & 20 HP Honda only.
4. Items 2, 11 & 15: Used on 16 HP Honda only.
5. Items 12 & 16: Used on 16 HP Honda only.
6. 000398 (CLAMP): Used on 17.5 HP Briggs only.
7. 788166 (ANTI SCALP WHEEL ASSEMBLY): See Kohler engine installation for Kohler configuration.



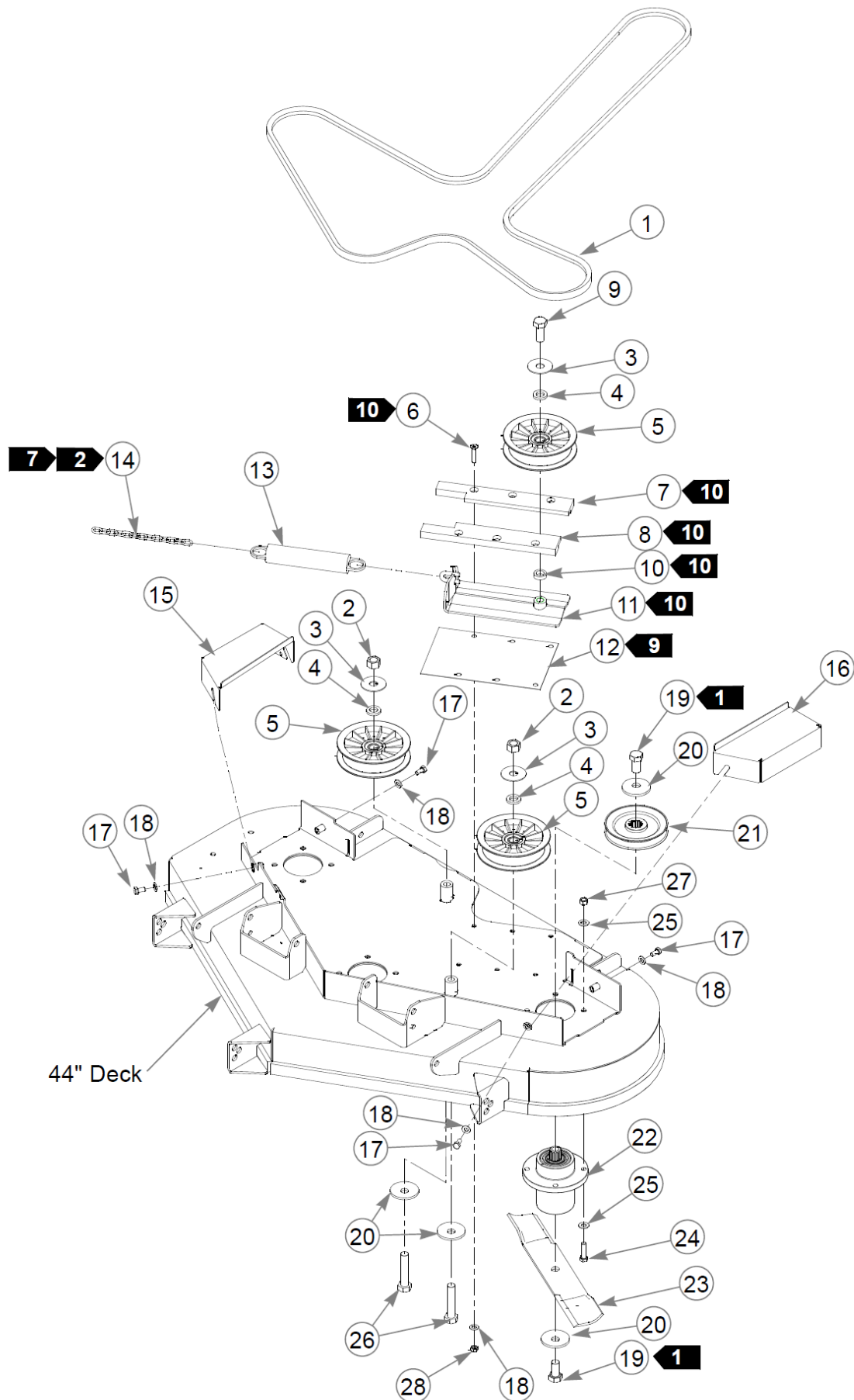
44" Service Deck & Discharge Chute

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

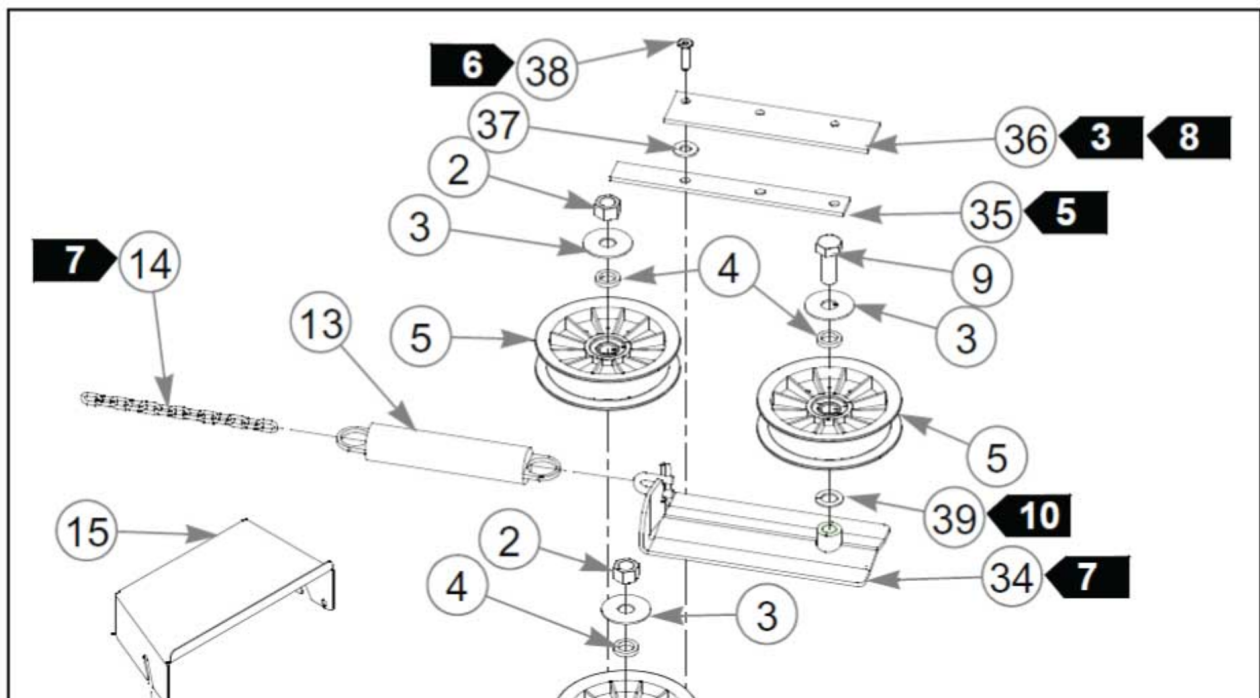
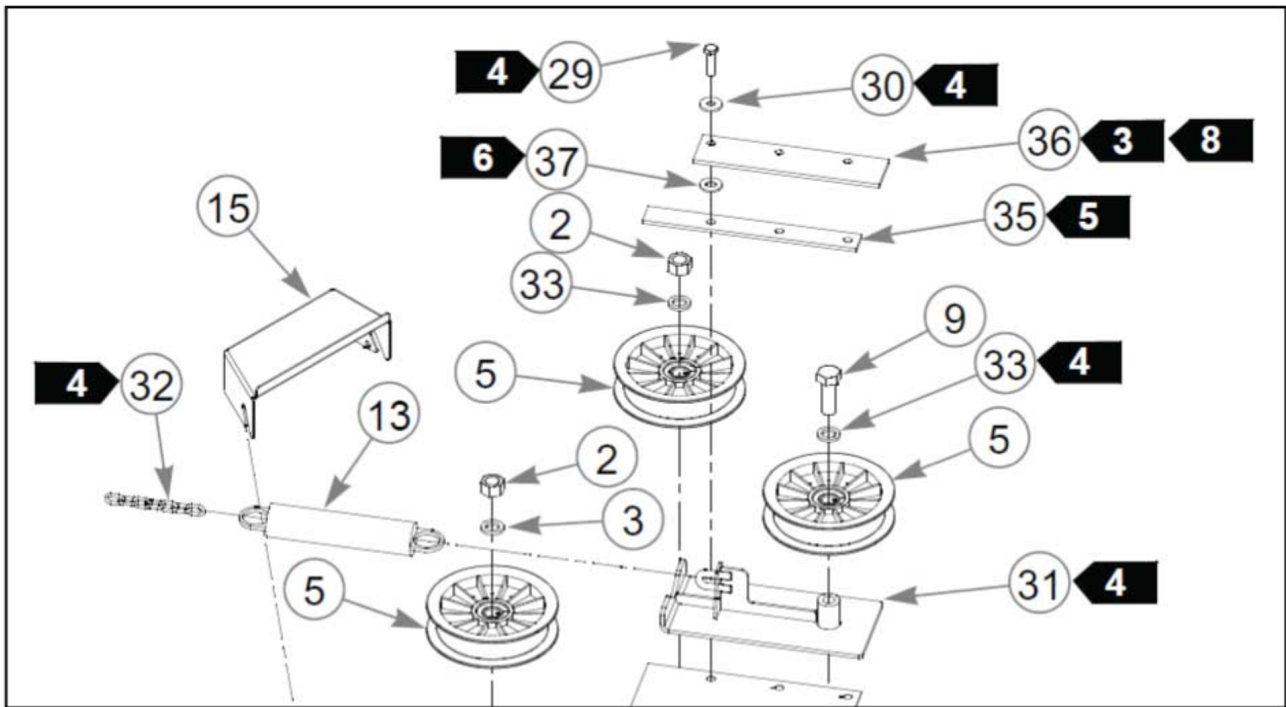
Elemento	Parte n.	Q.ta	Nome
1	357111	1	DISCHARGE CHUTE FASTRAK
2	063297	2	SB0.375X0.500SH0.312-18
3	058776	2	NT .312-18NLG5
4	767954	8	FW .379 X .82 X .06 HD ZN
5	054502	2	NT .375-16HXG5
6	357103	1	BRACKET, DISCHARGE CHUT
7	034280	2	CS .312-18X0.750HXG5
8	768523	4	FW .343 SAE
9	787994	2	DECK PIN & ROD ASSY
784736	787994	1	DECK PIN & ROD ASSY
	362988	1	DECK PIN W/A(PLATED)
10	034272	2	NT .312-18HXG5
11	781880	1	BUMPER, .500x 1.00x .31
16	781567	3	NT .500-13NLG5
17	546051	1	DECK W/A, (CRATED) 44"F
	788166	3	WHEEL ASSY, ANTI SCALP
12	781708	3	CS .500-13X4.25 HX G5 ZN
13	767962	9	FW .531 x 1.063 x .175
14	031997	3	ANTI-SCALP WHEEL
15	053199	3	NT .500-13JAMG5
18	055822	2	CS .375-16X0.75 HX G5 ZN
19	N/A	4	5/16-18 THREAD RIVET NUT

Comments for Page: 44" Service Deck & Discharge Chute

1. Part # 788166, factory assembled in top hole for shipping purposes.
2. Part # 788166 includes items 12 through 15.
3. Item 19, quantity of 3 on mowers with serial number prior to 05050800.
4. Item 17, when ordering replacement decks, also order 6 each of Items 6, and 7, and 1 each of Item 8, 9 and 12, from Deck Pulley Assembly. Replacement decks include decals, see "44" Deck Decals" in Decals Section.
5. Includes one each of:
784736 DECK PULL ROD ASSY
362988 DECK PIN



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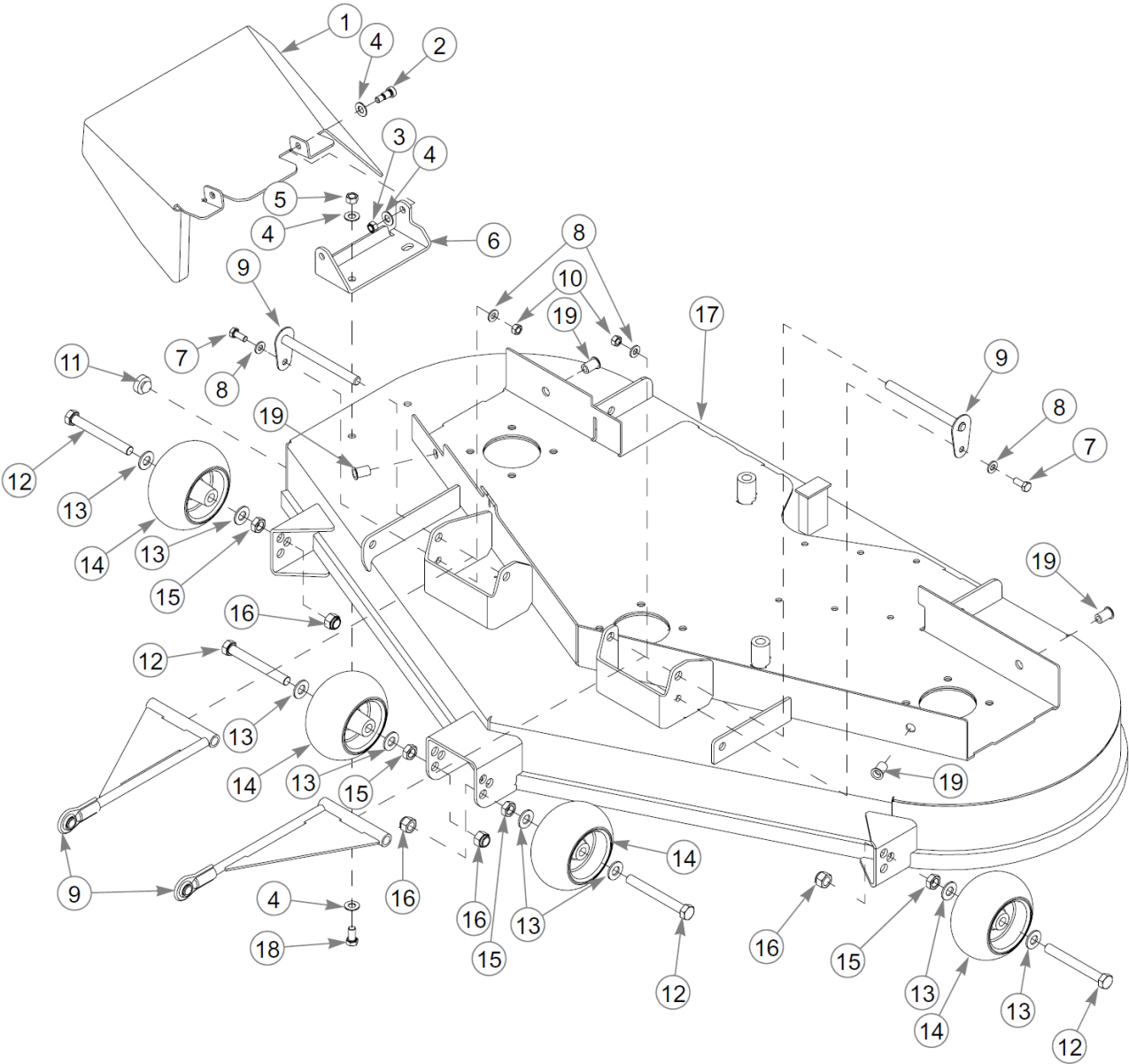
Elemento	Parte n.	Q.ta	Nome
1	784322	1	DECK BELT
2	016972	2	NT .625-11 HX G5 ZN
3	046821	3	FW .656X2.00X.08 ZN
4	797449	3	FW .630X1.13X.18 ZN
5	784504	3	PULLEY, IDLER, 5.00"OD,
6	797910	6	CS .312-18x1.50FLT SH ZN
7	601434	2	IDLER SLIDE, UHMW
8	601434	2	IDLER SLIDE, UHMW
9	794446	1	CS .625-11X1.500HXG5
10	600296	1	SPACER, DECK IDLER
11	350884	1	SLIDE, DECK IDLER
12	601434	1	IDLER SLIDE, UHMW
13	781302	1	IDLER SPRING
14	364315	1	CHAIN, 7 LINK
15	360792	1	PULLEY COVER, R.S. 44"
16	360818	1	PULLEY COVER, L.S. 44"
17	064006	4	CS .312-18X0.625HXG5
18	768523	10	FW .343 SAE
19	781872	6	CS .625-11 X 1.250 HX G5
20	782474	8	CW .678 X 2.250 X .187
21	792689	3	PULLEY, DRIVE 5.19 OP
22	783506	3	BLADE SPINDLE ASSEMBLY
23	784256	3	BLADE, 15.66"-L-F-CW
24	005116	12	CS .375-16X1.38 HX G5 ZN
25	767954	24	FW .379 X .82 X .06 HD ZN
26	783738	2	CS .625-11X3.000HXG5
27	054502	12	NT .375-16HXG5
28	058776	6	NT .312-18NLG5
29	079186	6	CS .312-18X1.250HXG5
30	712927	6	FW 0.344X1.00X.12 HD ZN
31	358317	1	IDLER, DECK W/A (FASTRA
32	364315	1	CHAIN, 7 LINK
33	028118	3	FW 0.625X1.00X.13 ZN
34	102970	1	IDLER, DECK MINI Z W/A
35	601434	2	IDLER SLIDE, UHMW
36	601434	2	IDLER SLIDE, UHMW
	783878	2	CLAMP, IDLER UHMW
37	017129	6	FW .440X1.00X0.08 ZN

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Elemento	Parte n.	Q.ta	Nome
38	784199	6	CS .312-18X1.250 FLT SH
39	720193	1	FW .656X1.12X.06 ZN

Comments for Page: 44" Deck Belt, Pulley Covers, Pulleys, Spindles & Blades

1. Item 19: Torque to 118 ft. lbs.
2. Item 14: See "Deck Belt Routing and Tensioning" for belt tensioning.
3. 783878 (UHMW IDLER CLAMP): Used on mowers with serial number prior to 02017202.
4. Items 29, 30, 31, 32 & 33: Used on mowers with serial numbers between 02017202 and 05050800.
5. Item 35: Used on mowers with serial numbers between 02057459 and 06023383.
6. Items 37 & 38: Used on mowers with serial numbers prior to 02017202 and between 05050880 and 06023383.
7. Items 14 & 34: Deck tensioning idler and spring chain used on mowers with serial number 05050800 and later.
8. Item 36: Used on mowers with serial numbers 02017202 and later.
9. Item 12: Used on mowers with serial numbers 02057459 and later.
10. Item Items 6, 7, 8, 10, 11 & 39: Used on mowers with seial numbers 06023383 and later.



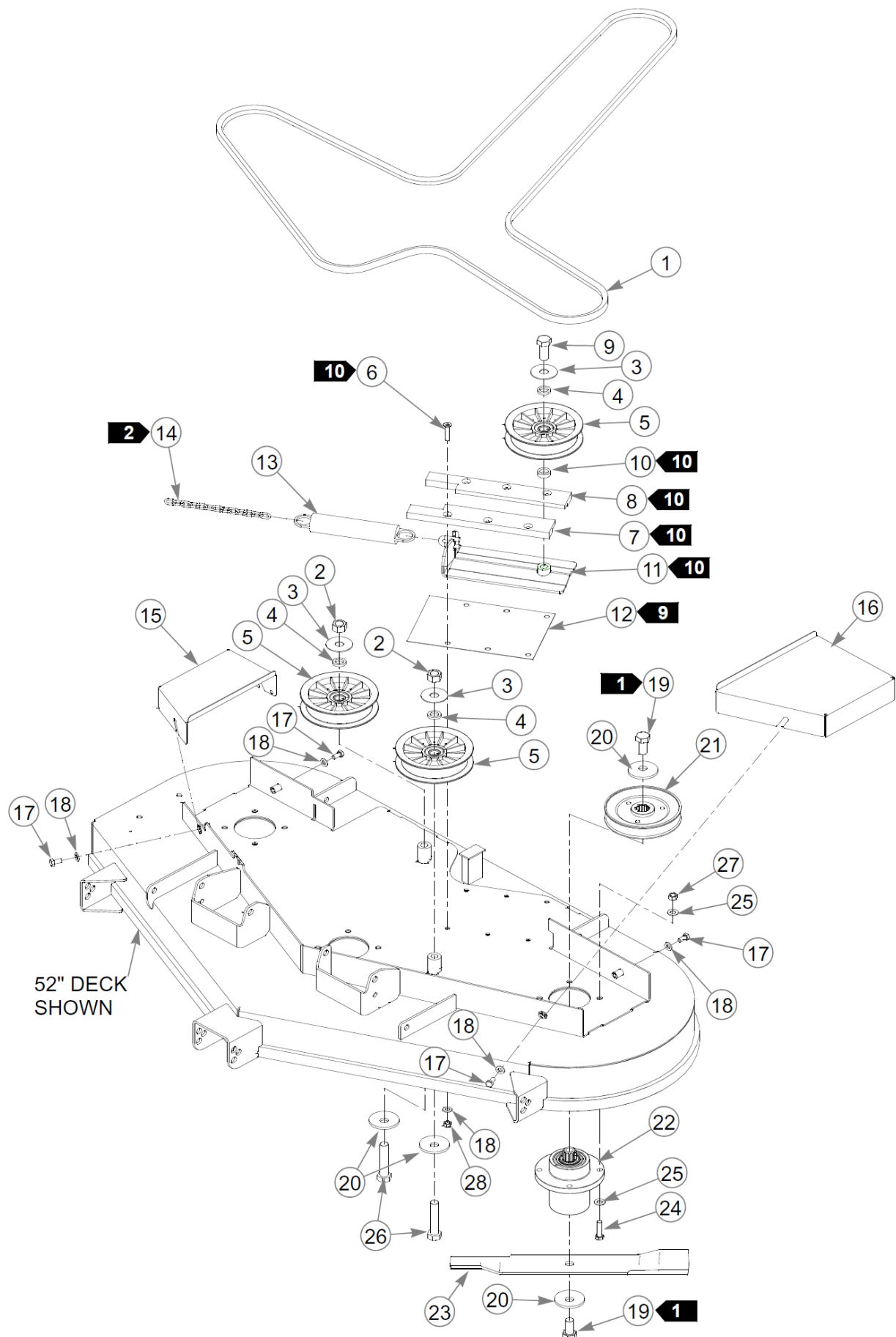
52" Service Deck & Discharge Chute

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

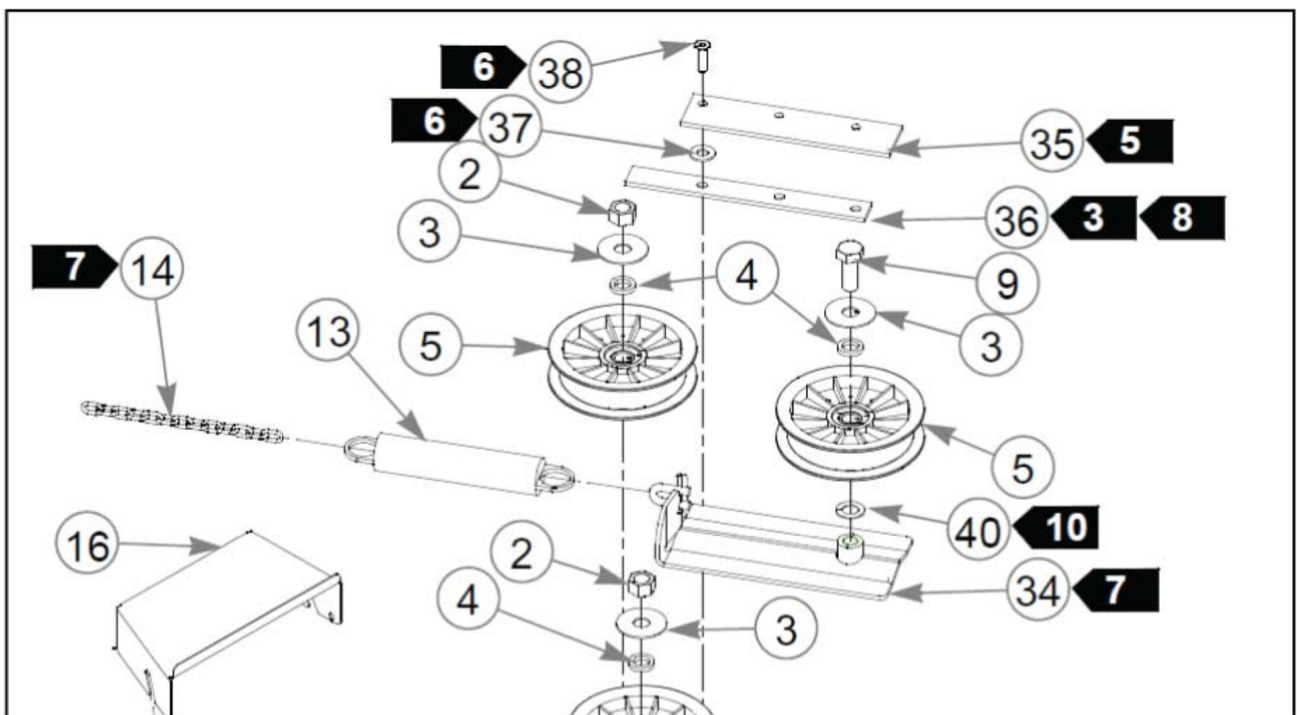
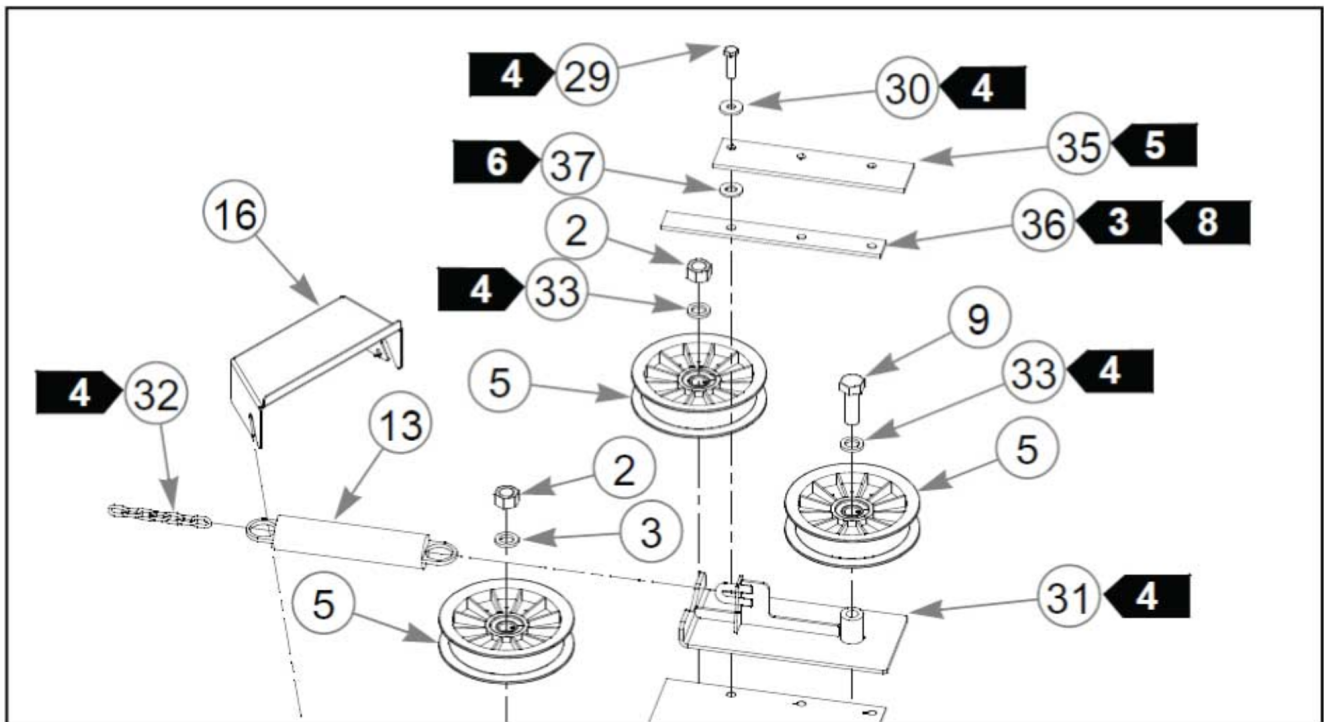
Elemento	Parte n.	Q.ta	Nome
1	357111	1	DISCHARGE CHUTE FASTRAK
2	063297	2	SB0.375X0.500SH0.312-18
3	058776	2	NT .312-18NLG5
4	767954	8	FW .379 X .82 X .06 HD ZN
5	054502	2	NT .375-16HXG5
6	357103	1	BRACKET, DISCHARGE CHUT
7	034280	2	CS .312-18X0.750HXG5
8	768523	4	FW .343 SAE
9	787994	2	DECK PIN & ROD ASSY
	784736	1	DECK PIN & ROD ASSY
	N/A	1	DECK PIN W/A(PLATED)
10	034272	2	NT .312-18HXG5
11	781880	1	BUMPER, .500x 1.00x .31
	788166	4	WHEEL ASSY, ANTI SCALP
12	781708	4	CS .500-13X4.25 HX G5 ZN
13	767962	12	FW .531 x 1.063 x .175
14	031997	4	ANTI-SCALP WHEEL
15	053199	4	NT .500-13JAMG5
16	781567	4	NT .500-13NLG5
17	545970	1	52" SERVICE DECK
18	055822	2	CS .375-16X0.75 HX G5 ZN
19	N/A	4	5/16-18 THREAD RIVET NUT

Comments for Page: 52" Service Deck & Discharge Chute

1. Part # 788166, factory assembled in top hole for shipping purposes.
2. Part # 788166 includes items 12 through 15.
3. Item 17, When ordering replacement decks, also order 6 each of Items 6 and 7, 1 each of Item 8, 9, and 12, from Deck Pulley Assembly. Replacement decks include decals, see "52" Deck Decals" in Decals Section.
4. Item 9 includes one each of:
784736 DECK PULL ROD ASSY
362988 DECK PIN



Pagina lasciata volutamente in bianco



Elemento	Parte n.	Q.ta	Nome
1	784249	1	DECK BELT
2	016972	2	NT .625-11 HX G5 ZN
3	046821	3	FW .656X2.00X.08 ZN
4	797449	3	FW .630X1.13X.18 ZN
5	784504	3	PULLEY, IDLER, 5.00"OD,
6	797910	6	CS .312-18x1.50FLT SH ZN
7	600171	1	SLIDE RH, USE 601434
Commenti per num parte 600171			
See PB318 for replacement details.			
8	600189	1	SLIDE RH, USE 601434
Commenti per num parte 600189			
See PB318 for replacement details.			
9	794446	1	CS .625-11X1.500HXG5
10	600296	1	SPACER, DECK IDLER
11	350884	1	SLIDE, DECK IDLER
12	786335	1	UHMW SHEET, USE 601434
Commenti per num parte 786335			
See PB318 for replacement details.			
13	781302	1	IDLER SPRING
14	259812	1	CHAIN, 13 LINK
15	361147	1	PULLEY COVER, R.S. 52"
16	361154	1	PULLEY COVER, L.S. 52"
17	064006	4	CS .312-18X0.625HXG5
18	768523	10	FW .343 SAE
19	781872	6	CS .625-11 X 1.250 HX G5
20	782474	8	CW .678 X 2.250 X .187
21	786889	3	PULLEY, DRIVE 5.68 OP
22	783506	3	BLADE SPINDLE ASSEMBLY
23	783753	3	BLADE, 17.86"-L-F-CW
24	005116	12	CS .375-16X1.38 HX G5 ZN
25	767954	24	FW .379 X .82 X .06 HD ZN
26	783738	2	CS .625-11X3.000HXG5
27	054502	12	NT .375-16HXG5

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Elemento	Parte n.	Q.ta	Nome
28	058776	6	NT .312-18NLG5
29	079186	6	CS .312-18X1.250HXG5
30	712927	6	FW 0.344X1.00X.12 HD ZN
31	358317	1	IDLER, DECK W/A (FASTRA
32	364315	1	CHAIN, 7 LINK
33	028118	3	FW 0.625X1.00X.13 ZN
34	102970	1	IDLER, DECK MINI Z W/A
35	787069	2	RISER, USE 601434
Commenti per num parte 787069			
See PB318 for replacement details.			
36	785832	2	CLAMP, USE 601434
Commenti per num parte 785832			
See PB318 for replacement details.			
	783878	2	CLAMP, IDLER UHMW
37	017129	6	FW .440X1.00X0.08 ZN
38	784199	6	CS .312-18X1.250 FLT SH
40	720193	1	FW .656X1.12X.06 ZN

Comments for Page: 52" Deck Belt, Pulley Covers, Pulleys, Spindles & Blades

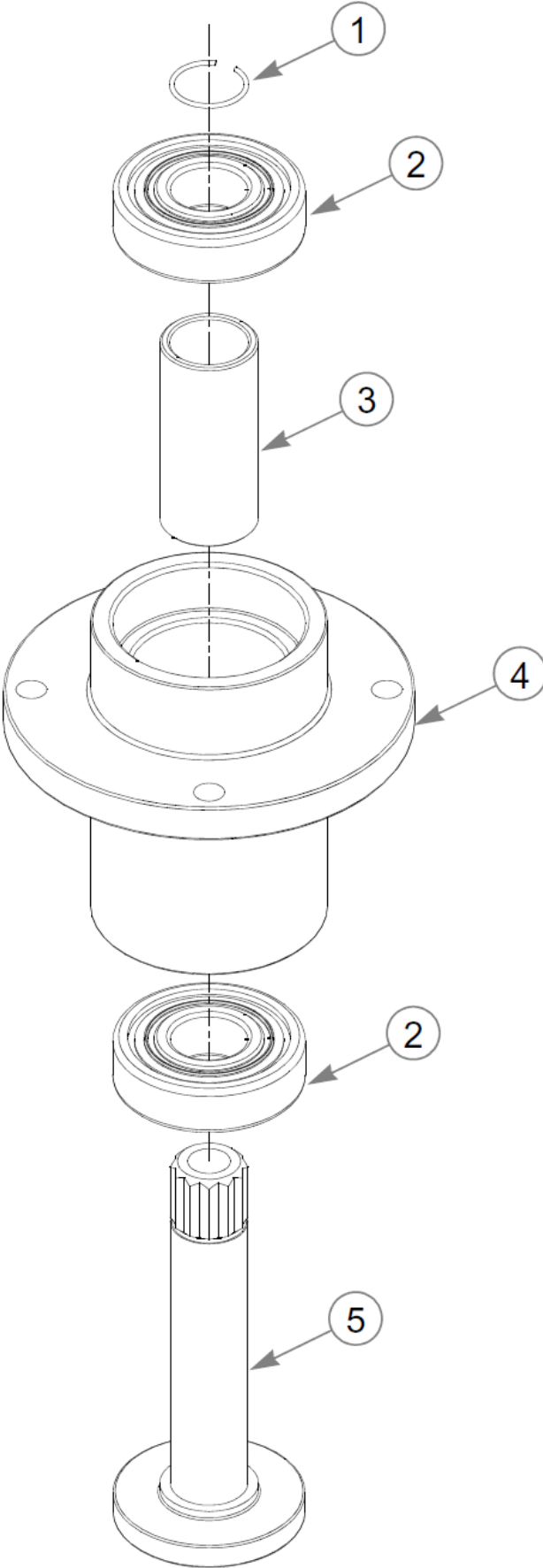
1. Item 19: Torque to 118 ft. lbs.
2. Item 14: See "Deck Belt Routing and Tensioning" for belt tensioning.
3. 783878 (UHMW IDLER CLAMP): Used on mowers with serial number prior to 02017202.
4. Items 29, 30, 31, 32, & 33: Used on mowers with serial numbers between 02017202 and 05050800.
5. Item 35: Used on mowers with serial numbers between 02057459 and 06023383.
6. Items 37 & 38: Used on mowers with serial numbers prior to 02017202 and between 05050880 and 06023383.
7. Items 14 & 37: Deck tensioning idler and spring chain used on mowers with serial number 05050800 and later.
8. Item 8: Used on mowers with serial numbers 02017202 and later.
9. Item 12: Used on mowers with serial numbers 02057459 and later.

52" Deck Belt, Pulley Covers, Pulleys, Spindles & Blades

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

10. Items 6, 7, 8, 10, 11 & 40: Used on mowers with serial numbers 06023383 and later.

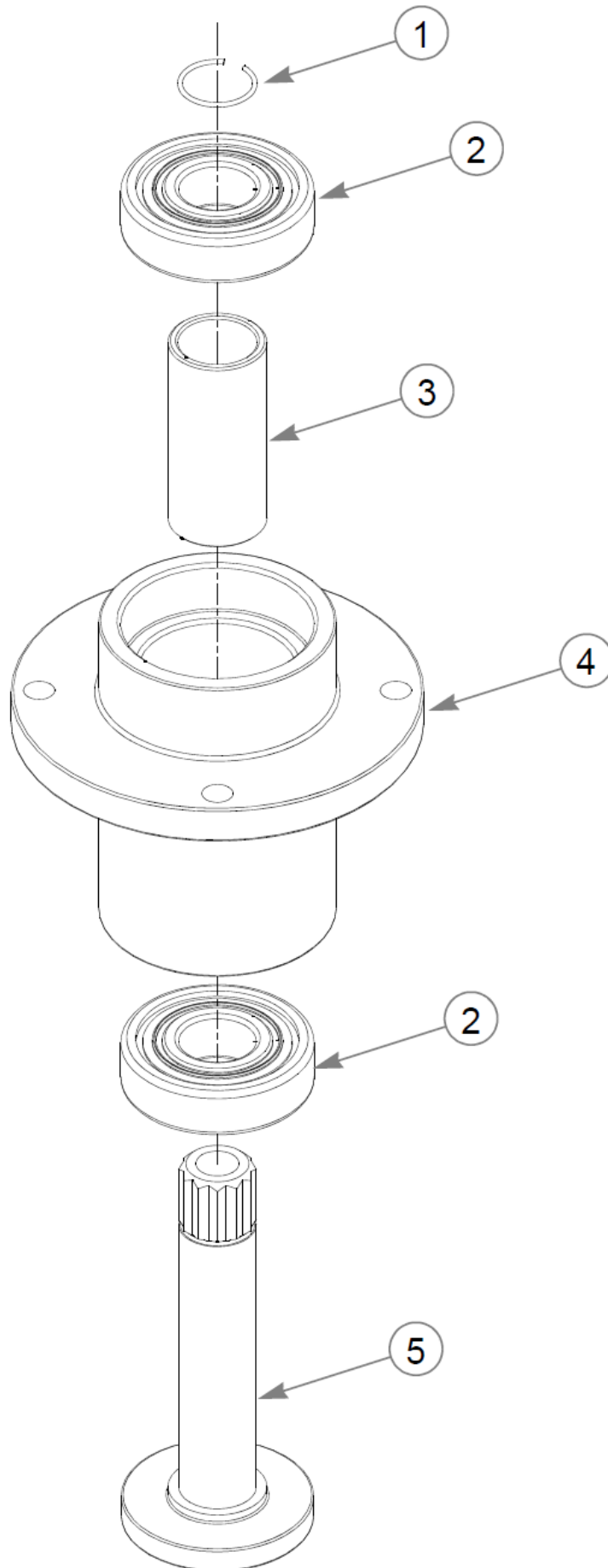
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Blade Spindle Assembly Breakdown

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

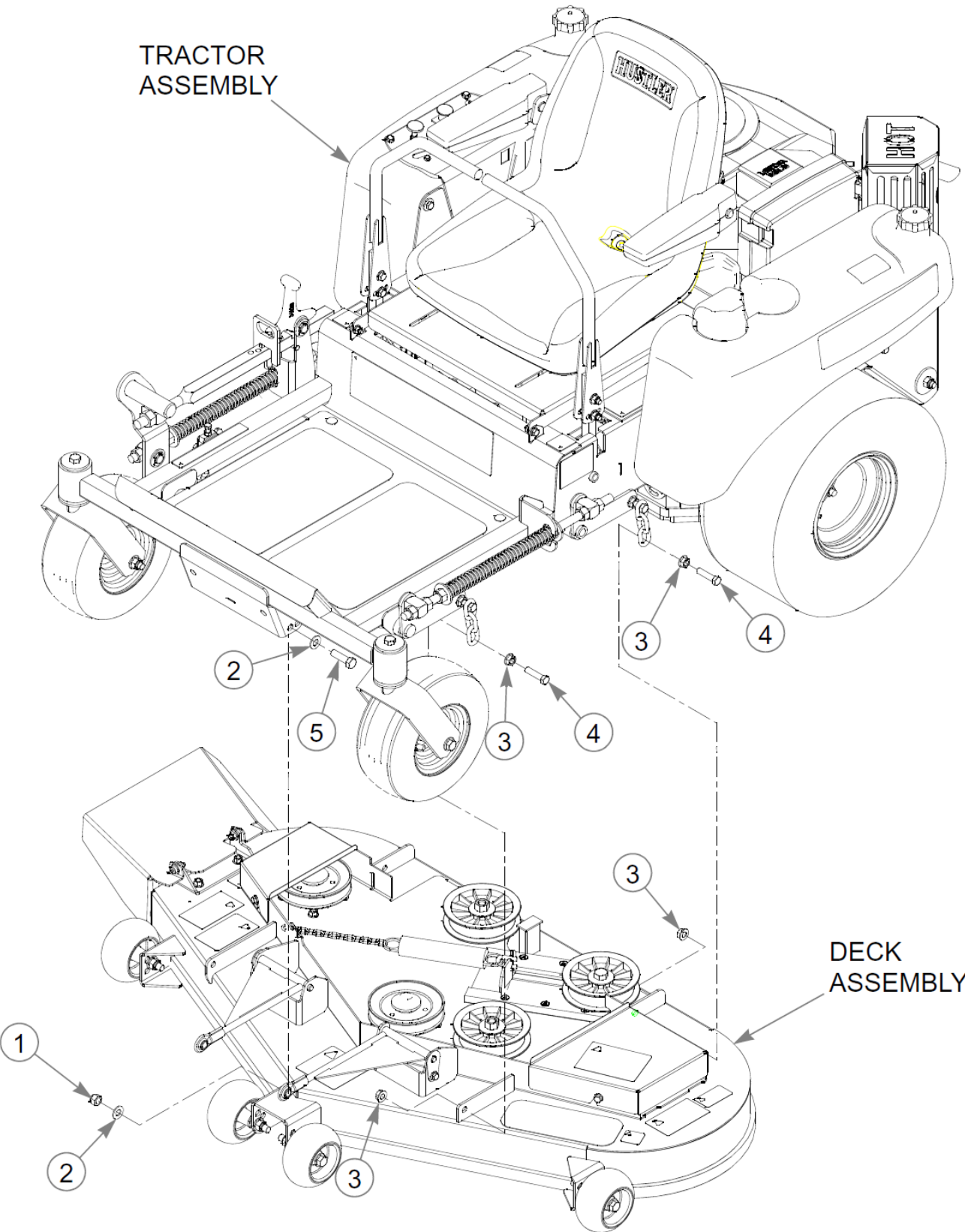
Elemento	Parte n.	Q.ta	Nome
1	783548	1	RING, BLADE SPINDLE RET
2	607275	2	BLADE SPINDLE BEARING
3	783530	1	SPACER, BLADE SPINDLE
4	783514	1	HOUSING, BLADE SPINDLE
5	783522	1	SHAFT, BLADE SPINDLE



Spindle Service Parts - 783506

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

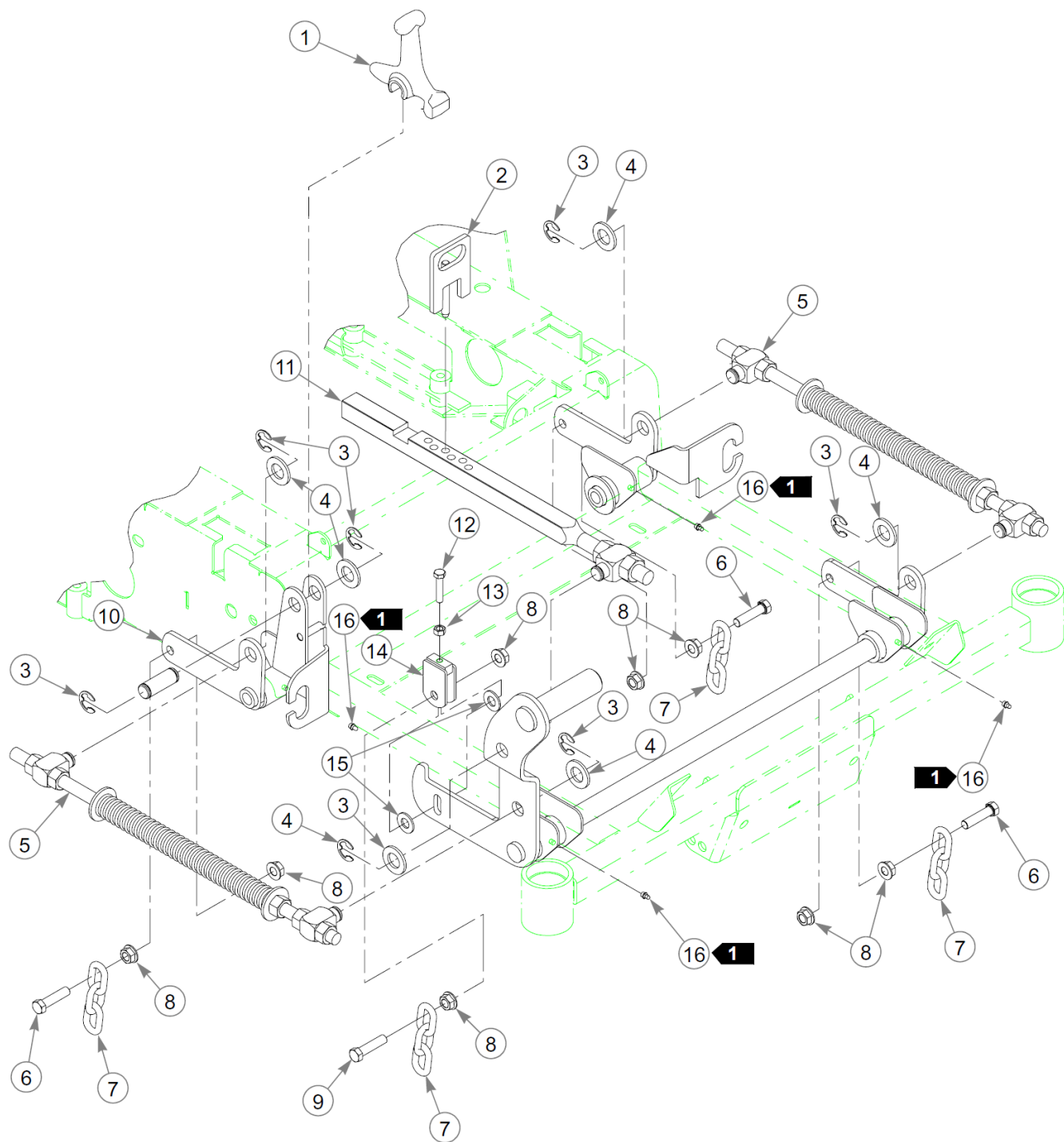
Elemento	Parte n.	Q.ta	Nome
1	783548	1	RING, BLADE SPINDLE RET
2	783555	2	S/C TO 607275
	607275	2	BLADE SPINDLE BEARING
3	783530	1	SPACER, BLADE SPINDLE
4	783514	1	HOUSING, BLADE SPINDLE
5	783522	1	SHAFT, BLADE SPINDLE



Deck Installation

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	781567	2	NT .500-13NLG5
2	767962	4	FW .531 x 1.063 x .175
3	704643	8	NT .437-14FLKG5
4	055749	4	CS .437-14X1.750HXG5
5	017616	2	CS .500-13X1.750HXG5



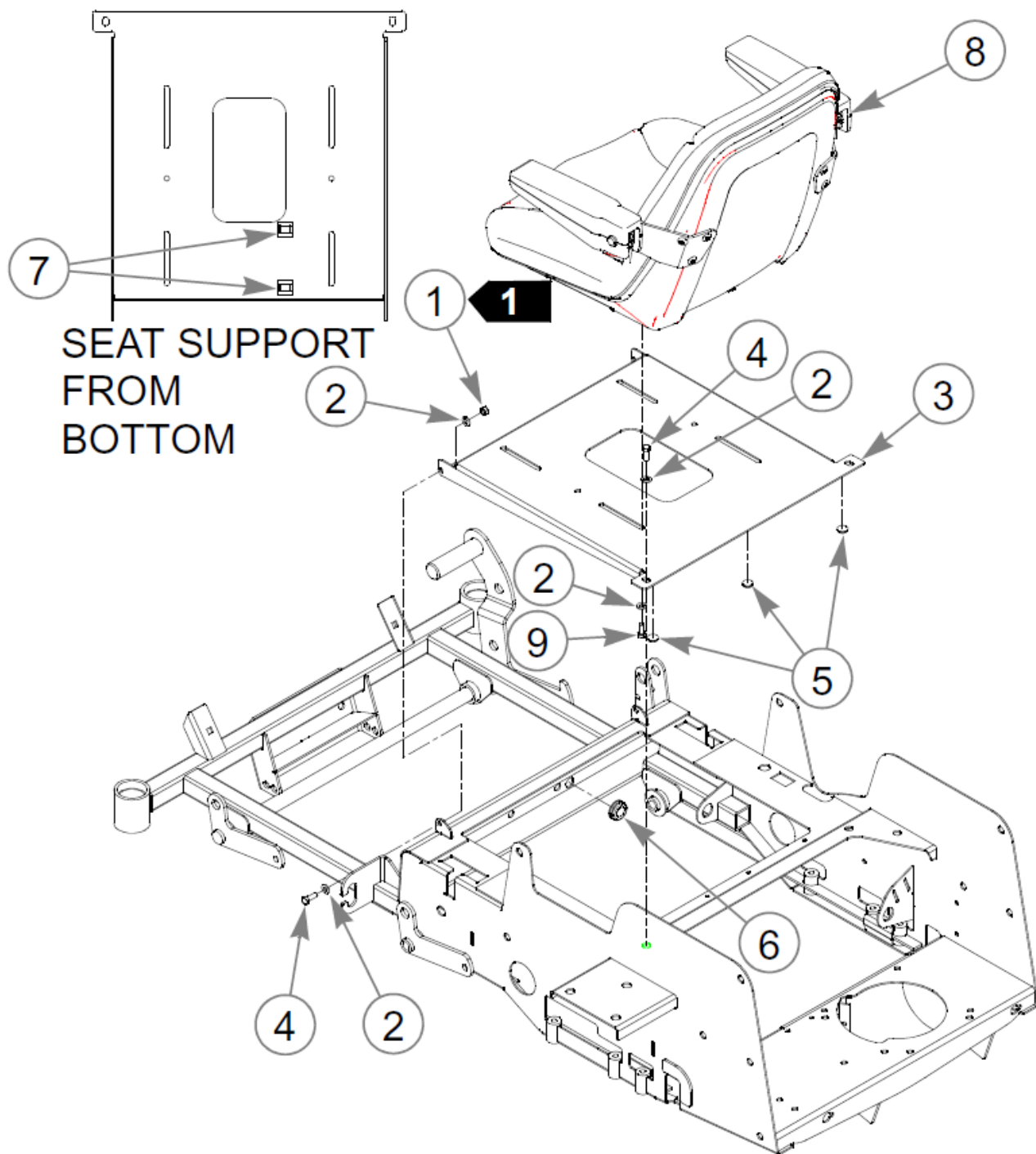
Deck Lift Assembly

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	348318	1	HANDLE, STOP
2	348284	1	STOP, HEIGHT ADJ W/A
3	781294	7	CLIP E, 1.00 X.625X .05
4	784686	6	FW 0.812X1.469X0.134
5	782995	2	DECK LIFT SPRING S/A
6	055749	3	CS .437-14X1.750HXG5
7	360131	4	CHAIN, DECK LIFT
8	704643	8	NT .437-14FLKG5
9	781831	1	CS .437-14x1.75 FULTHG5
10	781229	1	CE .750X2.25 X1.75 HEAD
11	784488	1	INDICATOR, DECK LIFT S/
12	756270	1	CS .312-18X1.500HXG5
13	034272	1	NT .312-18HXG5
14	348458	1	YOKE W/A, DECK LEVELER
15	767962	2	FW .531 x 1.063 x .175
16	015495	4	GREASE FITTING STRAIGHT

Comments for Page: Deck Lift Assembly

- Item 16: Apply grease to zerks (see owners manual).



Seat Installation

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	058776	2	NT .312-18NLG5
2	768523	10	FW .343 SAE
3	363507	1	SEAT SUPPORT FASTRAK
4	064014	4	CS .312-18X0.875HXG5
5	781617	3	BUMPER, RUBBER
6	080358	1	GM .50X1.00X.75X.12
7	047654	2	CLIP
8	792226	1	SEAT, MICHIGAN STANDARD
9	034280	4	CS .312-18X0.750HXG5

Comments for Page: Seat Installation

1. Item 1: Do not torque, Item 3 (363507 Seat Support) must pivot.

2. Service parts (Michigan Seat):

793315 SEAT SWITCH KIT

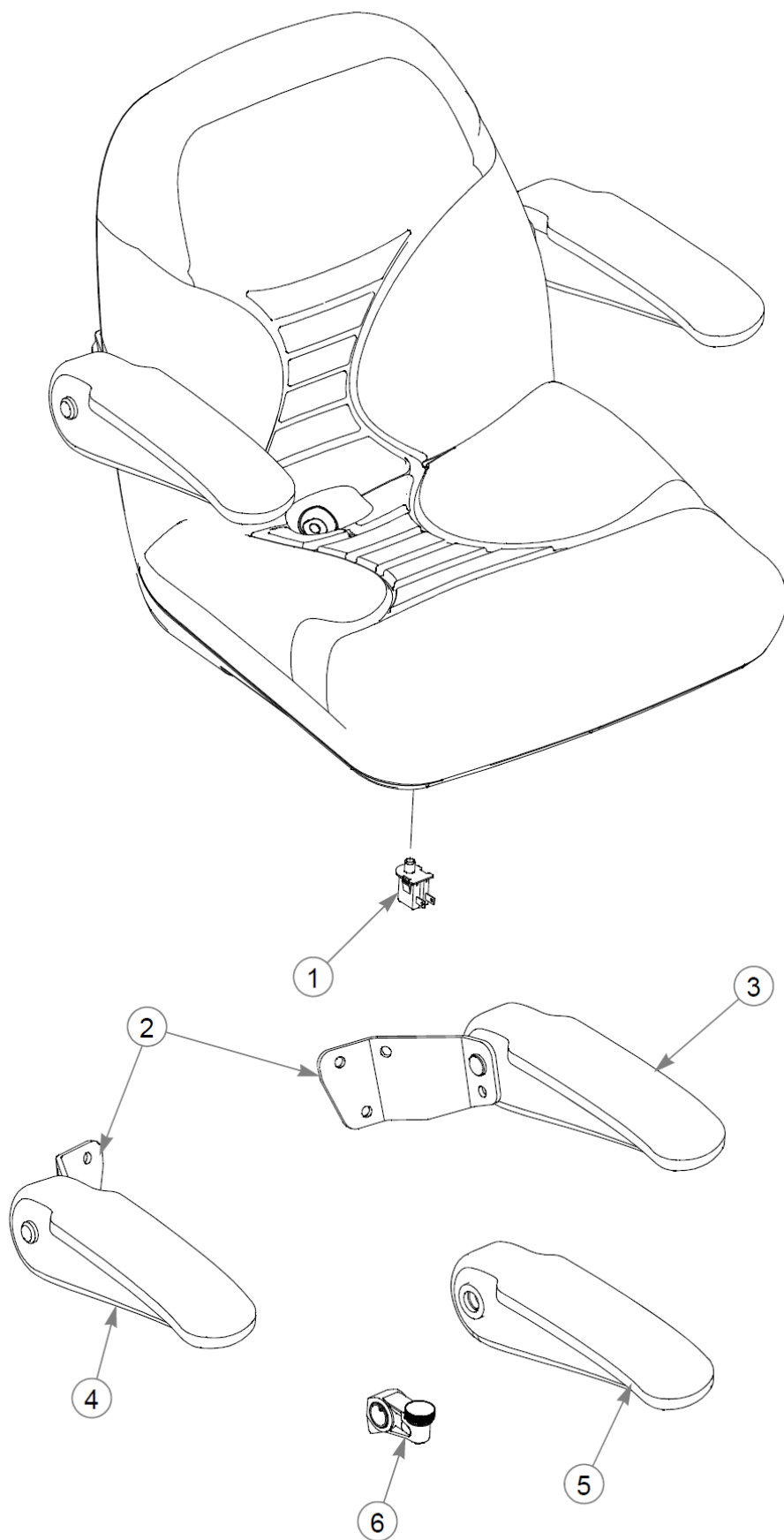
797464 ARMREST ASSEMBLY L.H.

797472 ARMREST ASSEMBLY R.H.

797480 MOLDED ARMREST KIT

3. Service parts (Milsco Seat):

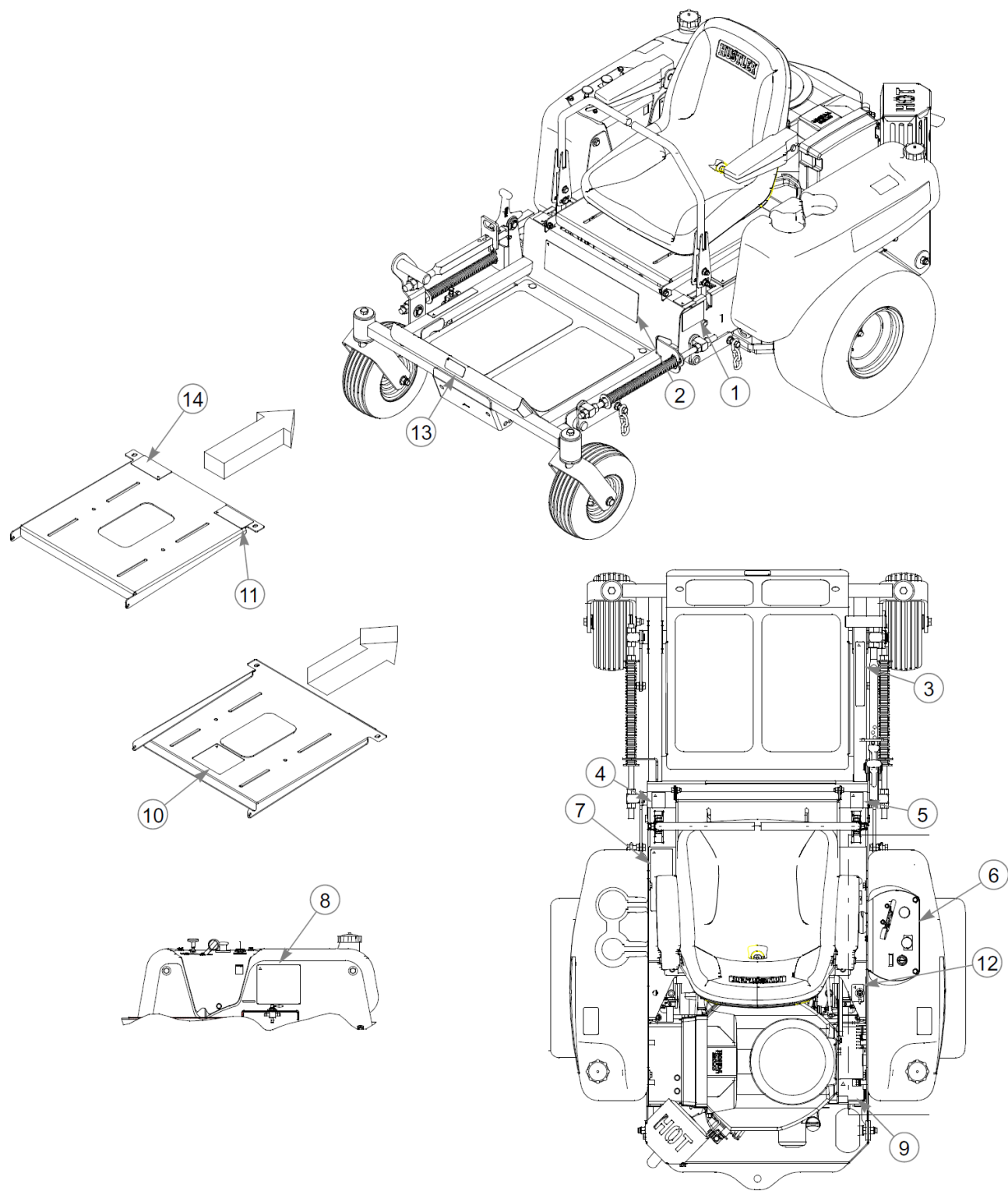
782177 OPERATOR PRESENCE SWITCH



Seat Service Parts - 792226

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

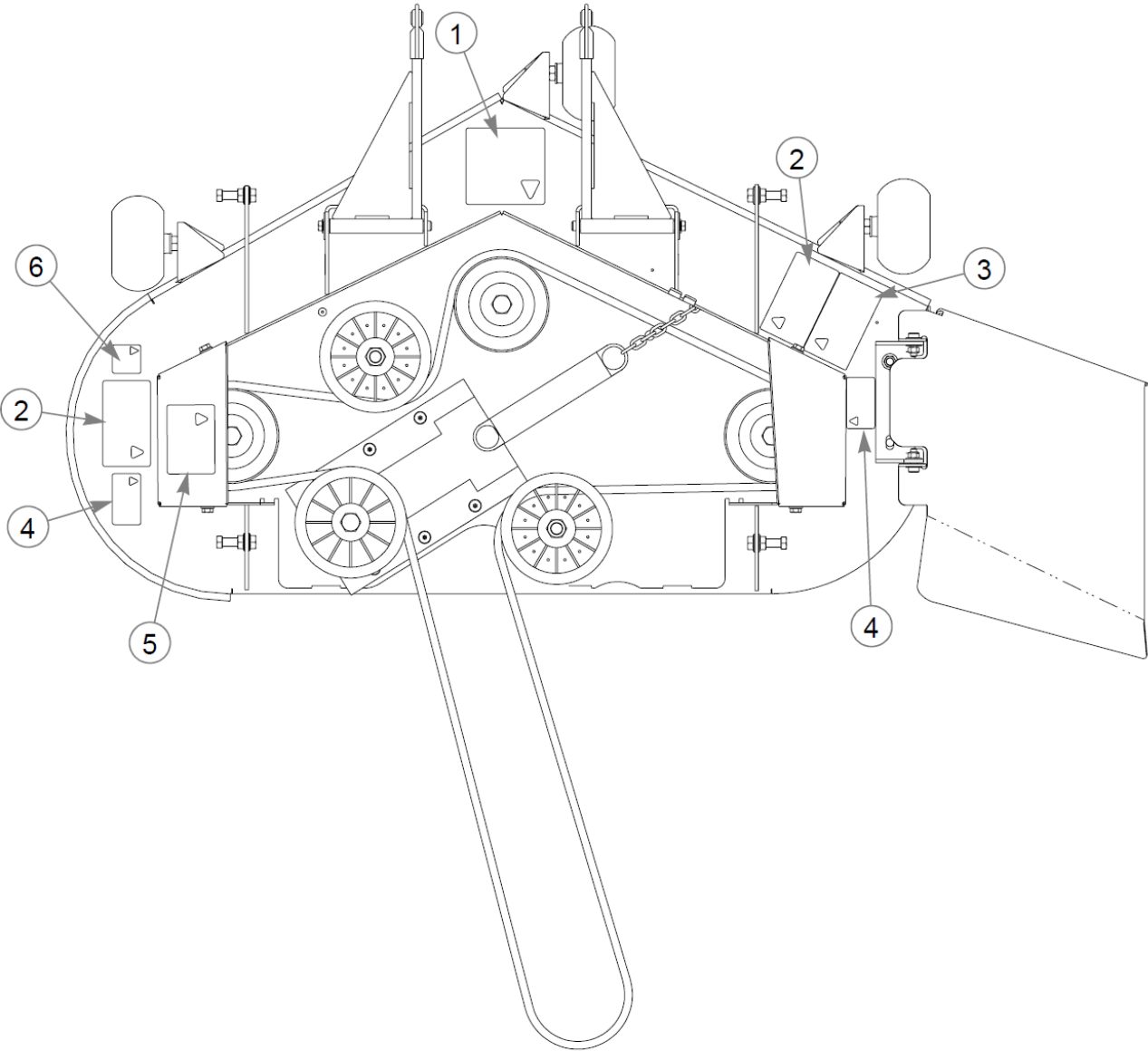
Elemento	Parte n.	Q.ta	Nome
	792226	1	SEAT, MICHIGAN STANDARD
1	793315	1	SWITCH, SNAP MOUNT
2	797456	1	ARMREST KIT FST RND
3	797464	1	ARMREST ASSY LH RND
	604458	1	EXT. ARMREST KIT L.H.
4	797472	1	ARMREST ASSY RH RND
	604459	1	EXT. ARMREST KIT R.H.
5	797480	1	2 ARMRESTS, MOLDED RND
6	793273	1	ARMREST,STOP ASSY



Mower Decals

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

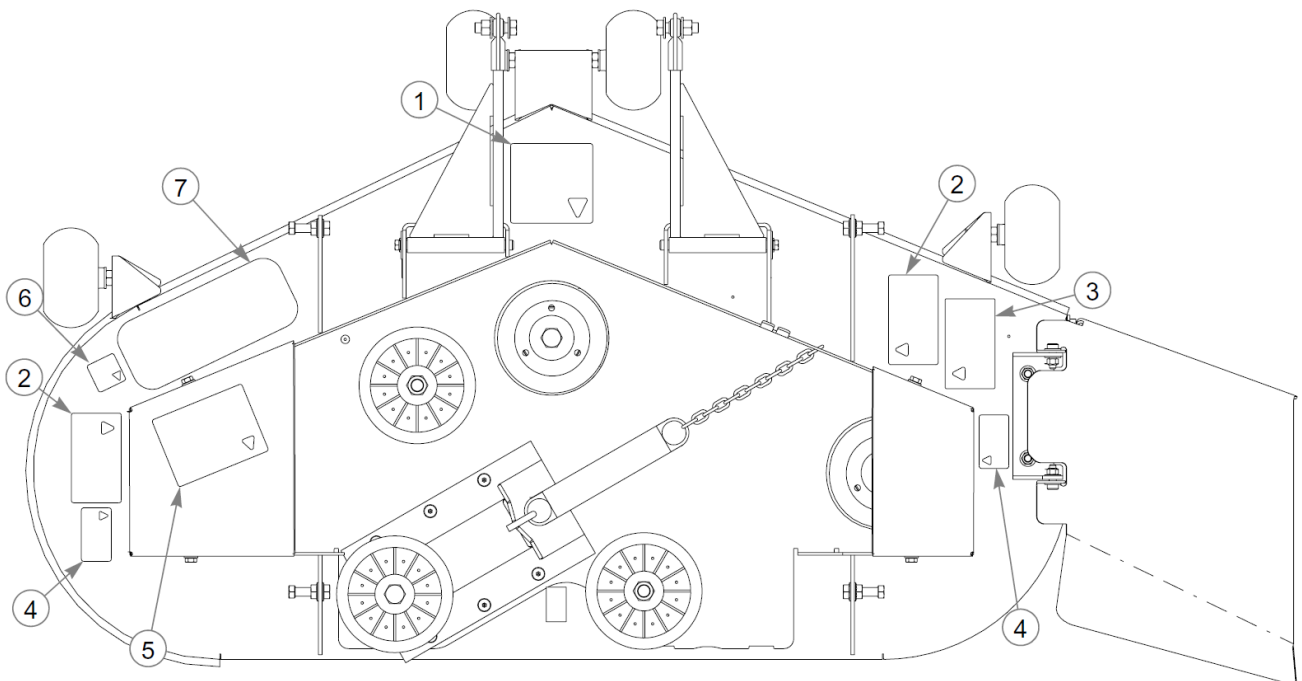
Elemento	Parte n.	Q.ta	Nome
1	N/A	1	TURF PROD SERIAL NO PLATE
2	784710	1	DECAL, FASTRAK
3	788935	1	DECAL, DECK HEIGHT
4	785139	1	DECAL, STEERING L.S.
5	785220	1	DECAL, STEERING R.S.
6	784702	1	DECAL, INSTRUMENT PANEL
7	785121	1	DECAL, OPERATION RIGHT
8	785147	1	DECAL, SERVICE
9	771436	1	DECAL, STABILIZER
10	727016	1	DECAL, BATTERY
11	788968	1	DECAL, ENGINE COMPARTME
12	791830	1	DECAL, FUEL INDICATOR-MM
13	793588	1	HUSTLER NAME PLATE
14	600899	1	DECAL, PUMP BELT WARNING



44" Deck Decals

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	781419	1	DECAL, BELT ROUTING
2	727438	2	DECAL, WHIRLING BLADES
3	727420	1	DECAL, DEFLECTOR SHIELD
4	727453	2	DECAL, BELT & PULLEY
5	784801	1	DECAL, DECK 44"ID (FAST
6	727172	1	DECAL 'MADE IN U.S.A.'



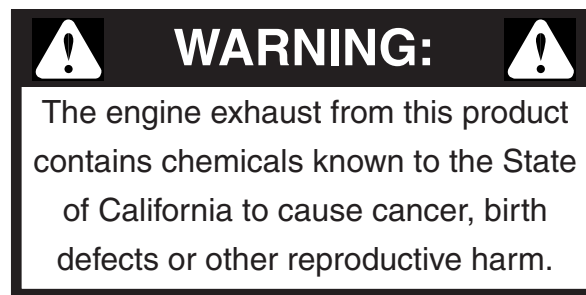
52" Deck Decals

Hustler FasTrak 44" / 52" Parts Manual - PRODUCED PRIOR TO S/N 1011 (FIRST FOUR DIGITS)

Elemento	Parte n.	Q.ta	Nome
1	781419	1	DECAL, BELT ROUTING
2	727438	2	DECAL, WHIRLING BLADES
3	727420	1	DECAL, DEFLECTOR SHIELD
4	727453	2	DECAL, BELT & PULLEY
5	785535	1	DECAL, 52 DECK ID
6	727172	1	DECAL 'MADE IN U.S.A.'
7	785055	1	STEP TREAD 3.70 x 9.00

Chapter 9 Contents

Maintenance & Adjustments Safety Precautions	9-3
Maintenance	9-5
Adjustments	9-15



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

Keep this 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 this manual.

MAINTENANCE & ADJUSTMENT SAFETY PRECAUTIONS



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/mechanics should read this manual, or be instructed about safe operating and maintenance procedures. This is the owner's responsibility.

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, located in front of and to the right of the seat, are designed to give the operator/mechanic 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 operator/mechanic reads and understands this manual and all decals before operating this machine. It is also the **owner's responsibility** to make certain that the operator/mechanic is a qualified and physically able individual, properly trained in the operation of this equipment. Local regulations may restrict the age of the operator/mechanic.

The owner should also ensure that the operator/mechanic know that they are responsible for their own safety as well as the safety of other persons within the vicinity. **Remember**, the operator/mechanic 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. Place control levers in the park brake position, disengage deck clutch, remove ignition switch key and disconnect the negative battery cable. 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.
- ▲ 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 fuel spillage. Allow machine to cool before storing.

- ▲ **Clean flammable material from machine. Prevent fires by keeping engine compartment, battery, 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.
- ▲ Never leave machine unattended with ignition key in switch, especially with children present.
- ▲ Be alert and turn the machine off if children enter the area.
- ▲ 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 refuel tractor while engine is running; never refuel near an open flame or near devices which can create a spark. Refuel outdoors preferably, or in well ventilated areas.
- ▲ 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. Wearing gloves or wrapping the blade(s) is advisable when working around or with the blades.
- ▲ Do not touch hot parts of machine.
- ▲ Keep nuts and bolts tight, especially the blade attachment bolts. Keep equipment in good 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 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

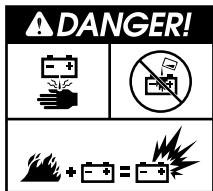
Safety and Instruction Decals

- ▲ 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.



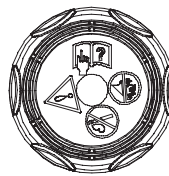
Part Number
771436

Do not remove or modify stabilizer wheels or rear engine guard or injury can result.



Part Number
788968

Keep engine and pump compartment(s) clean (especially in exhaust area) to prevent fire and provide maximum engine and hydraulic cooling.



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



Part Number
727420

Never operate the mower deck with side deflector removed or in raised position, except when the grass catcher attachment is being used.



Part Number
727438

Whirling blades! Keep hands and feet away. Beware of thrown objects.



Part Number
727453

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



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.

MAINTENANCE

MAINTENANCE LOCATOR CHART

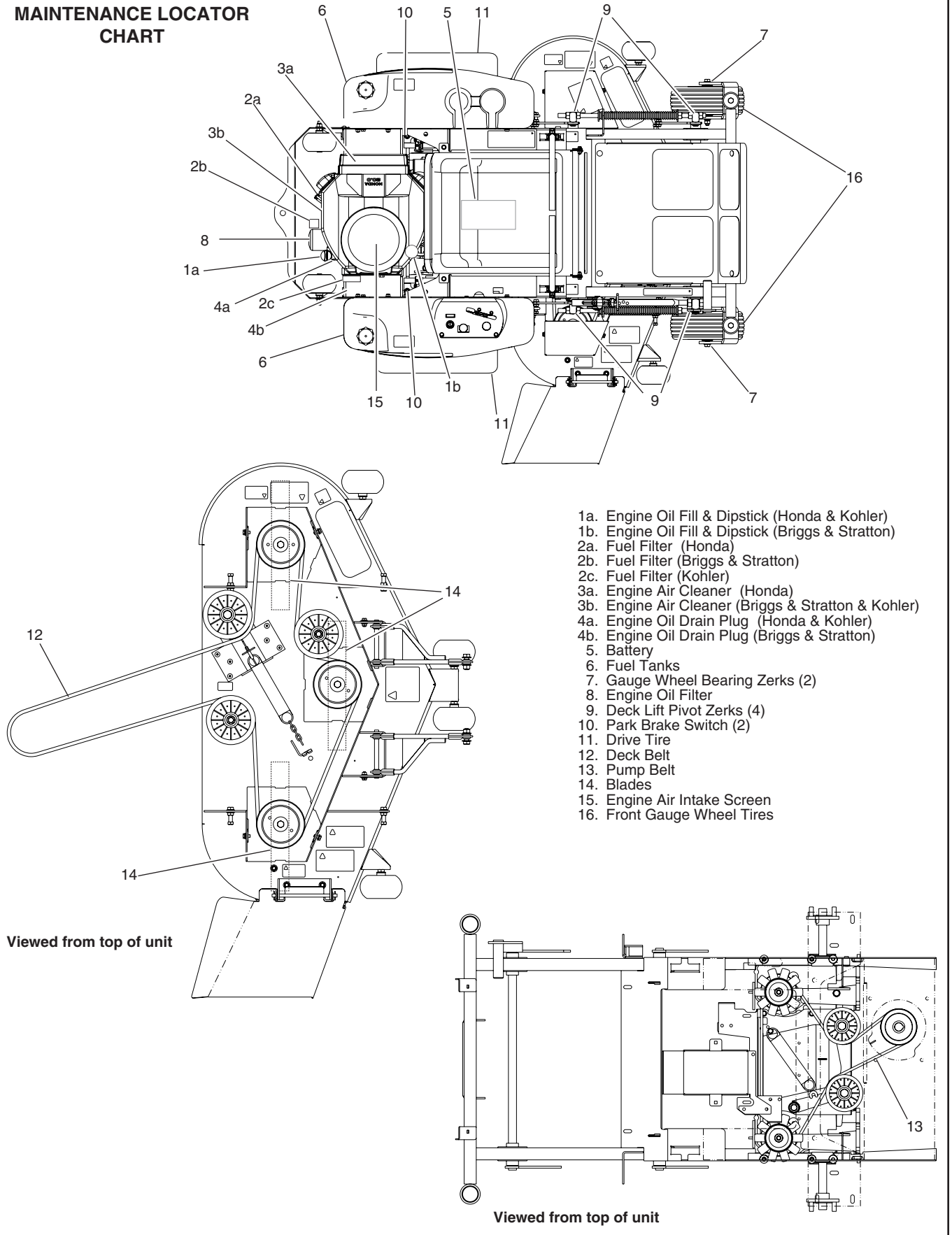


Figure 9-1

SERVICE AT INTERVALS INDICATED	WEEKLY OR 50 HOURS	ANNUALLY OR 100 HOURS
Verify safety start interlock system	Prior to each use	
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 every 4 hrs.	
Clean air intake screen (4)	Prior to each use or every 4 hrs.	
Clean foam element (4)	Prior to each use or every 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 gauge 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 regap spark plugs (a)		x
Check pump and deck belt tension & condition (5)		x
Check fuel and hydraulic lines (6)		x
Check fuel valve and grommet (6)		x
Tighten lug nuts on wheels (2)		x
Change fuel filter		x
Replace spark plugs		x
Check park brakes		x
Change C-I/T pump/motor transmission oil & filter (7)	Every 200 hours or 2 years	

NOTES:

1. Initial oil change is after 5 hours of operation. Thereafter, change oil after every 40 hours operation. 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 if worn or cracking is noticed. Otherwise, **replace every 200 hours or 2 years** whichever comes first.
6. Check fuel line hoses, fuel valve and grommet for any cracks or leaks
7. Change the filter and oil using 20W50 motor oil.

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 following pages contain suggested maintenance information and schedules which the operator/mechanic 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 particle 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) nuts65-7588.14-101.7
Blade spindle bolt top118160.01
Blade spindle bolt bottom118160.01

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 callout 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:

Drive wheels8-10 psi
Gauge wheels8-10 psi

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 gauge 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 U1R with 225 or better cranking AMP rating. A maintenance-free battery is recommended. Otherwise, follow battery manufacturer's maintenance, safety, storing and charging specifications.

The battery is located under the seat platform. Fig. 9-2



WARNING: Battery posts, 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: 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.



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

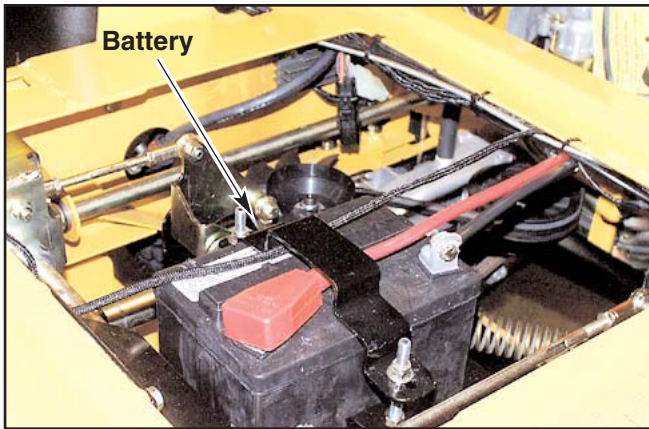


Figure 9-2

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. Always **connect** the positive (red) battery cable before connecting the negative (black) cable.

Common circuit failures are usually caused by shorting, corroded or dirty terminals; loose connections, 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. 9-3 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.

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. To raise it, remove the two cap screws and tilt seat platform up and forward. (Fig. 9-4)

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 44/52 is equipped with two Hydro-Gear C-IZT integrated pump/motor transmissions. Fig. 9-5

Units built prior to serial number 03037002 are sealed for life and do not require scheduled service.

Units starting with serial number 03037002 and later have a replaceable filter which will require replacement every 200 hours or 2 years whichever comes first. The required service involves draining the oil and installing a new filter kit (Hustler p/n 789511). Fill with new 20W50 engine oil.



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

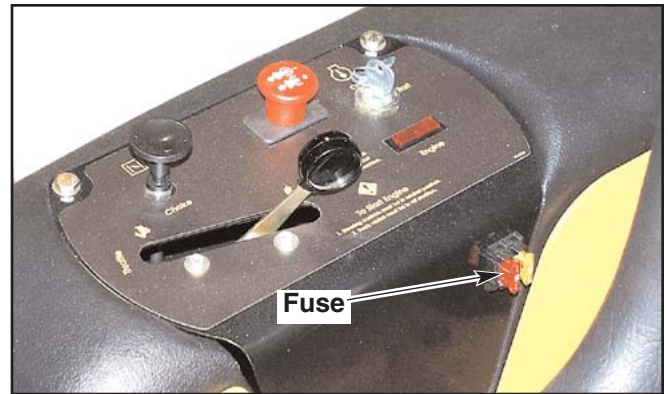


Figure 9-3

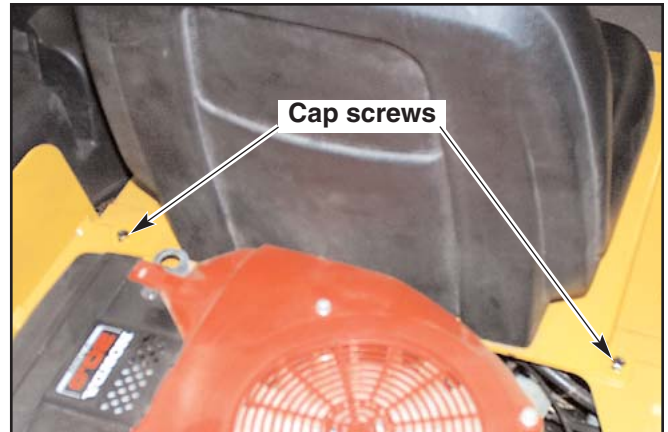


Figure 9-4

weight rating of 2000 pounds to block the unit up. Use in pairs only. Follow the instructions supplied with the vehicle stands.

To replace the filter use the following procedure:

1. Raise and block the tractor up so the drive wheels are off the floor. Place the jack stands under the engine guard to support the machine. Fig. 9-6



WARNING: Make sure the transmissions are cool before performing service procedures.

2. Remove the drain plug and filter from the integrated pump/motor transmission and drain the oil into a drain pan. Dispose of the oil in a proper manner. This oil will not be re-used. Fig. 9-7
3. Install a new filter kit into the transmission.
4. Remove the lower side plug and install the magnetic plug included with the kit. Fig. 9-7

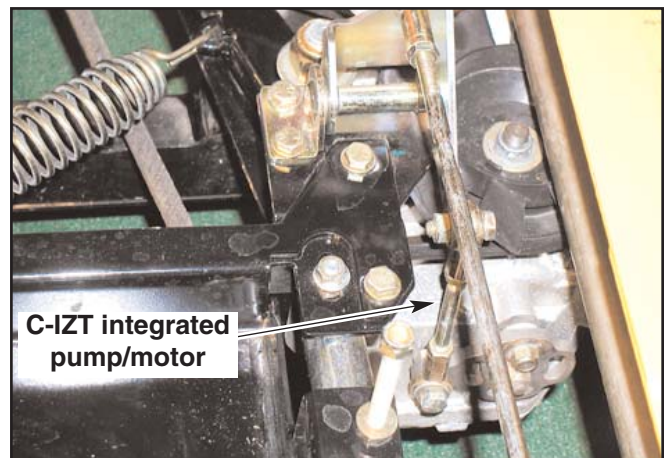


Figure 9-5

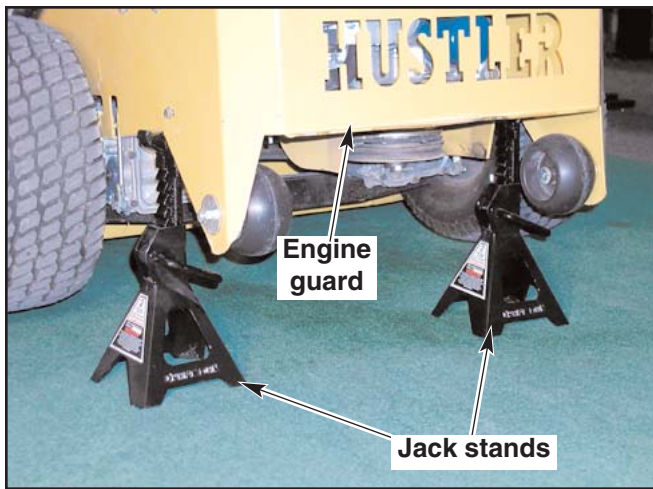


Figure 9-6

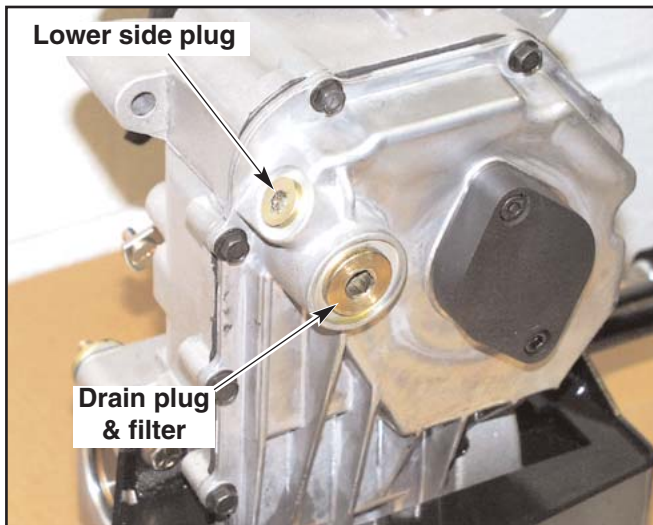


Figure 9-7

5. Repeat steps 2 through 4 for the other side.
6. Lower the tractor. **NOTE:** The FasTrak must be level when filling and checking the oil.
7. Remove the breather hose and nipple from the top of the transmission and fill with new, clean 20W50 engine oil. It will require approximately 2 - 2.46 quarts of oil to fill the transmission. Re-attach the nipple and breather hose. Fig. 9-8



WARNING: Do not overfill. If you overfill the unit while it is “cold”, it may overflow as it reaches normal operating temperatures. The oil level should be within the operating range indicated on the dipstick. This will allow the space needed for the oil to expand as it warms up. Fig. 9-9

8. Start the unit and drive it forward and rearward 5 times approximately 10 - 20 feet each time.
If it feels smooth then the unit is ready to operate.
If either side moves slower than the other or sluggish then the system will need to be purged. Follow steps 9 through 12 until the air is purged from the system.
9. Raise and block the tractor up so the drive wheels are off the floor.
10. With the bypass valves open (Fig. 9-10), on both transmissions, an operator on the seat and the engine running at 1/2 throttle, slowly move both control levers forward and rearward 5 to 6 times to allow air to be purged from the system. As this occurs, the oil level will drop.
11. With both bypass valves closed (Fig. 9-11) and the engine running, slowly move both control levers forward and rearward 5 - 6 times. Stop engine and place steering levers in the park brake position. Lower the tractor and check the oil level. Add oil as required.
12. Start the unit and drive it forward and rearward 5 times

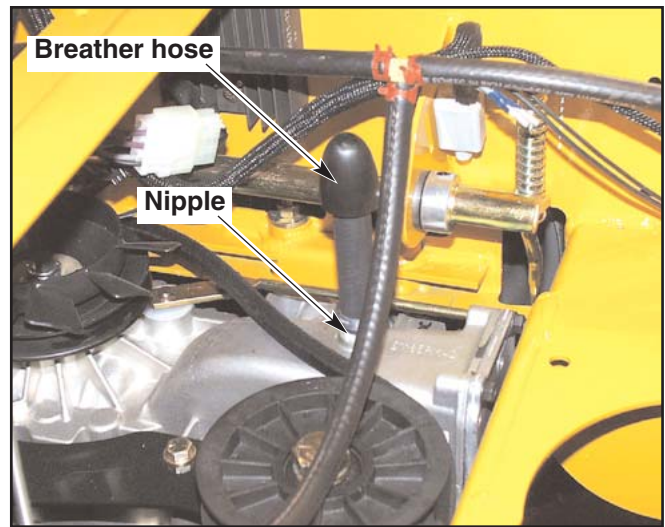


Figure 9-8

approximately 10 - 20 feet each time.

If it feels smooth then the unit is ready to operate.

If either side moves slower than the other or sluggish then the system will need to be purged again. Follow steps 9 through 12



WARNING: When washing the mower, direct spray away (especially if using a power washer) from the Hydro-Gear C-IZT transmission's seals to prevent water intrusion and to ensure component performance.

Fuel system



DANGER: Observe usual fuel handling precautions:

Do not smoke while refueling.

Do not 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 if there is fuel in the tank.

Use extra caution when handling gasoline and other fuels. They are flammable and vapors are explosive. A fire or explosion from gasoline can burn you and others and can damage property.

Refuel outdoors preferably, or in well ventilated areas.

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 as interior carpets or plastic truck bed liners may insulate the container and slow the loss of any static charge.

When practical, remove 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.



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 conditioner opening.

Keep gas away from eyes and skin.

The fuel tanks are located in the tractor's fenders. (Fig. 9-12) Total capacity for the fuel tanks is 12.2 U.S. gallon (46.18 liter).

When filling the fuel tanks disengage deck clutch, place control levers in park brake position, and stop tractor engine. Clean around the fuel tank

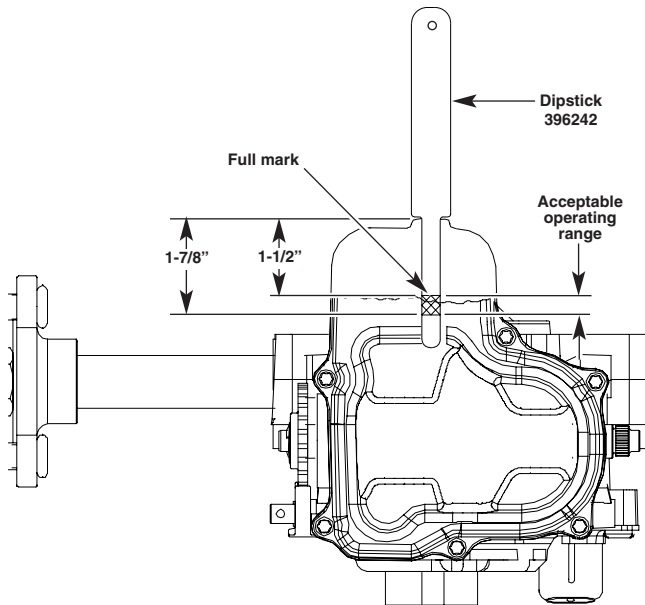


Figure 9-9

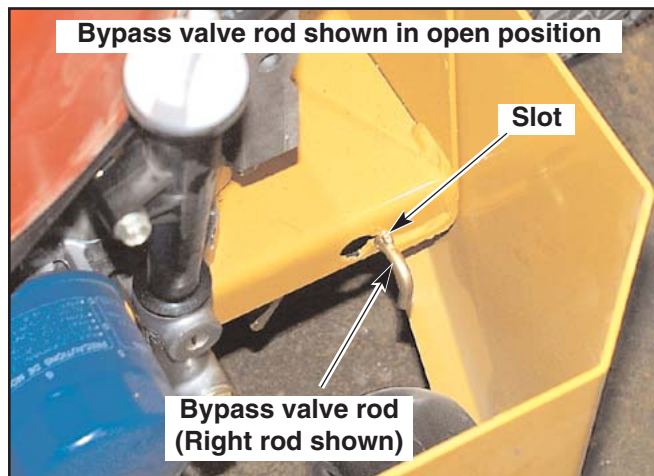


Figure 9-10

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. 9-13A, 9-13B & 9-13C) is installed in the fuel line between fuel tanks and engine fuel pump on the rear left side of the engine. 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 shut-off valve grommet for any cracks or leaks. Replace as needed.

Fuel Shut-off Valves

On early units a fuel shut-off valve is located on the outlet port of each fuel tank. (Fig. 9-14) Close these valves (turn clockwise) to prevent fuel flow to the engine. To drain a fuel tank equipped with this fuel shut-off

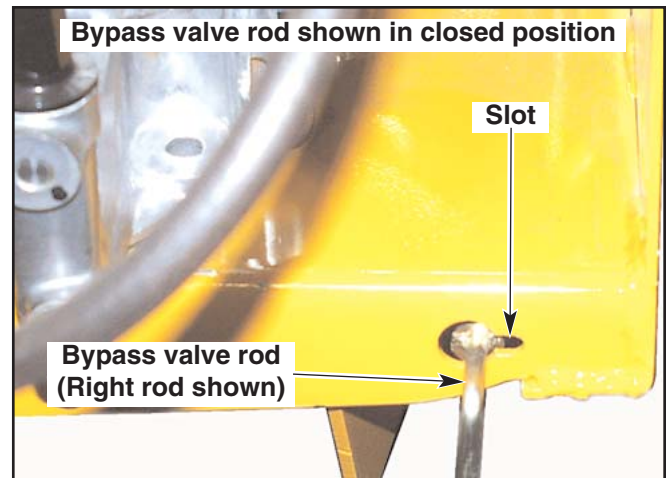


Figure 9-11



Figure 9-12

valve 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 brake position. Disconnect negative battery cable.
2. Close the fuel shut-off valve on both of the fuel tanks.
3. Trace the fuel line from the shut-off valve to the tee. Loosen the hose clamp and remove the fuel line from the tee.
4. Place the end of the fuel line in a clean certified fuel container and open the fuel shut-off valve to drain the fuel from the fuel tank.
5. When fuel tank is drained re-route the fuel line to the tee and attach to the tee. Clamp fuel line to tee.
6. Fill fuel tank with proper grade of gasoline and open shut-off valves. Current production units have a fuel shut-off valve (Hustler p/n 745059) located behind the seat to the right side of the operator. (Fig. 9-15) 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 brake position. Disconnect negative battery cable.
 2. Turn the fuel valve to the closed position (middle position). Fig. 9-15
 3. Disconnect the tank to fuel valve line from the valve and clamp or cap the end of it.
 4. Route the fuel line until it is lower than the fuel tank fitting.
 5. Place the end of the fuel line in a clean certified fuel container and unclamp or uncap the line to permit the fuel to drain from the fuel tank.
 6. When fuel tank is drained re-route the fuel line to the shut-off valve and attach it to the tee. Clamp fuel line to shut-off valve.
 7. Fill fuel tank with proper grade of gasoline and open shut-off valve (front or rear position).

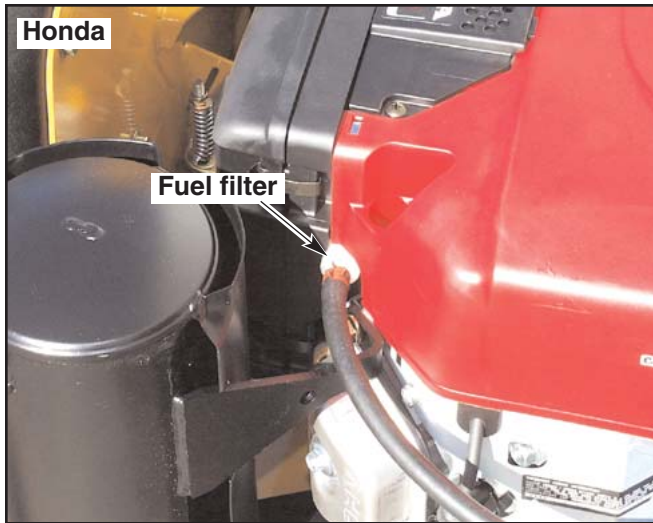


Figure 9-13A

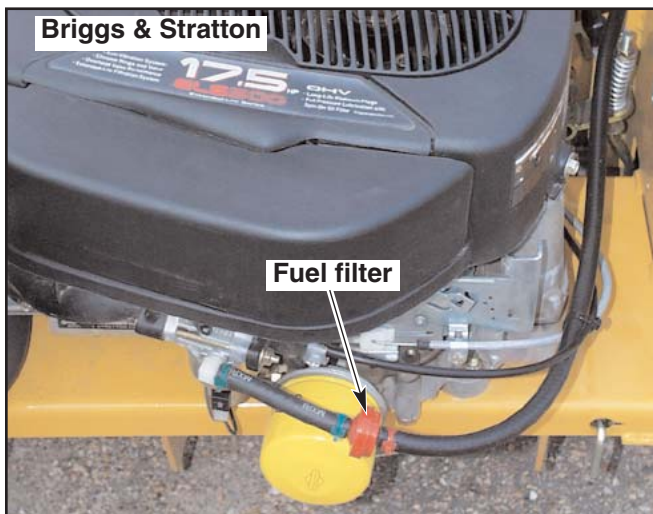


Figure 9-13B

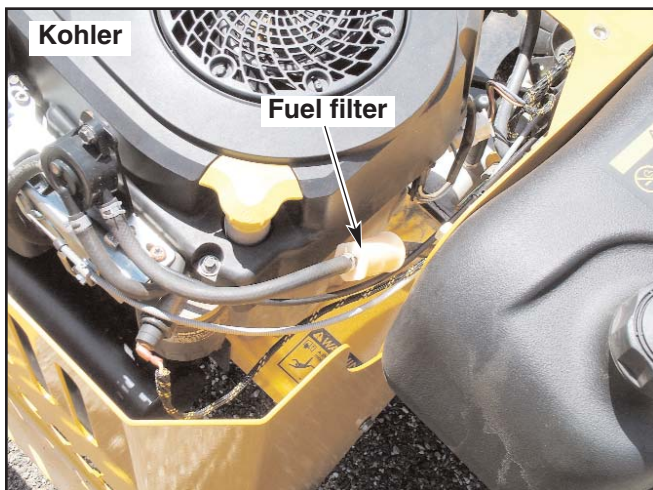


Figure 9-13C

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. 9-16A, 9-16B & 9-16C. 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

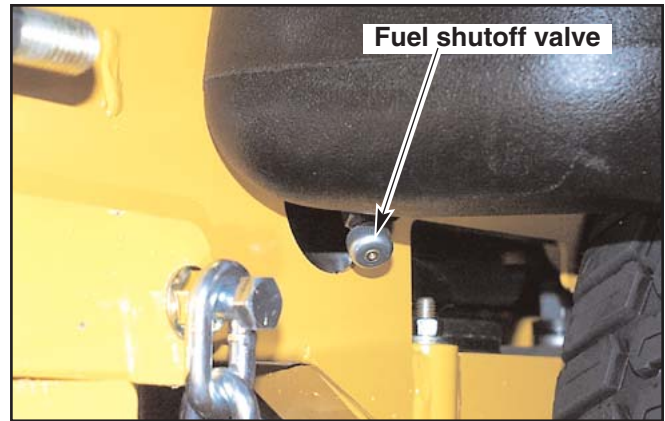


Figure 9-14

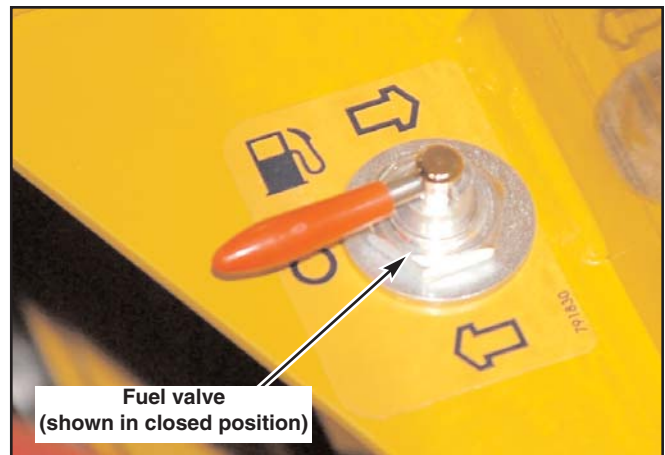


Figure 9-15

changed more frequently.

The oil drain and oil filter are located at the rear of the engine. Fig. 9-16A, 9-16B & 9-16C

Belt replacement

Figures 9-17 and 9-18 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 ravelings 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 belt 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

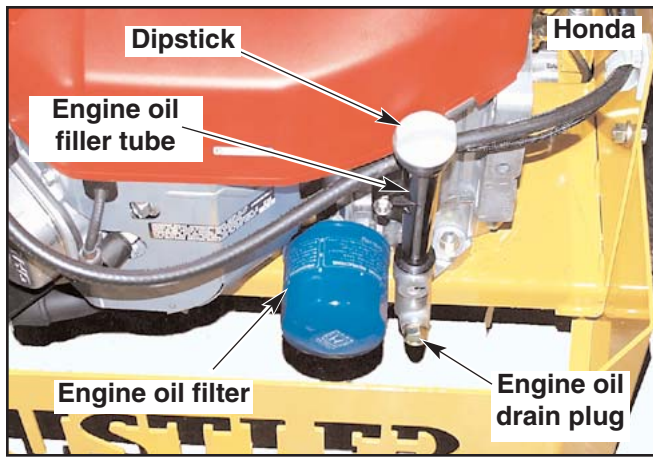


Figure 9-16A

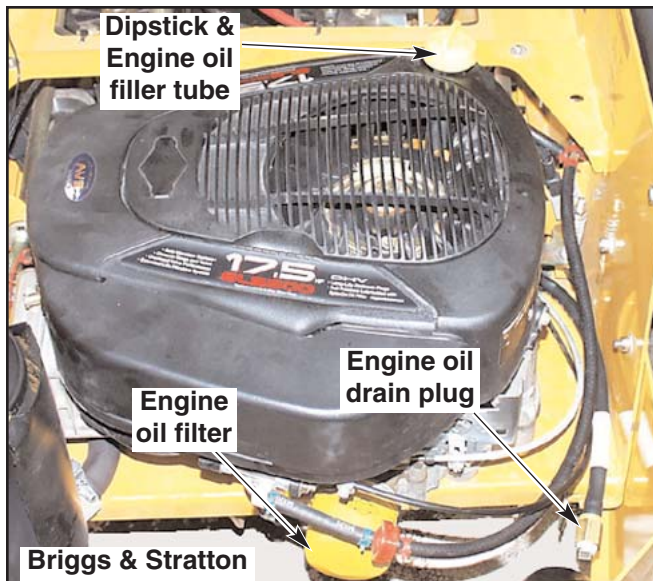


Figure 9-16B

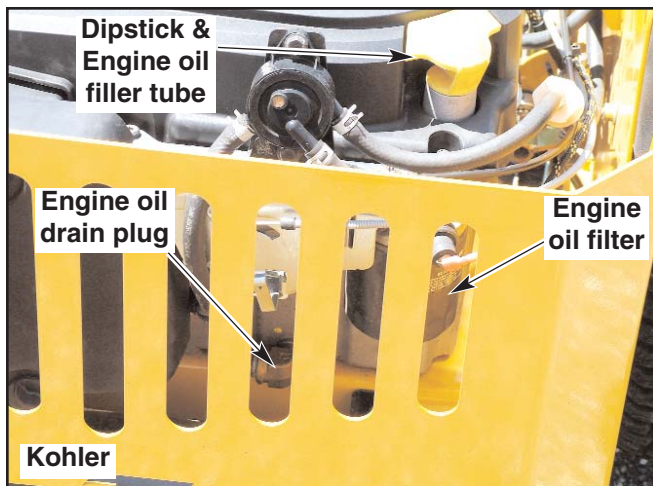


Figure 9-16C

sliding the chain out of the anchor bracket slot. This will relieve the tension on the deck belt idler spring. Fig. 9-18

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. 9-17.
8. Re-tension the deck belt idler per the Deck drive belt adjustment section located elsewhere in this manual.

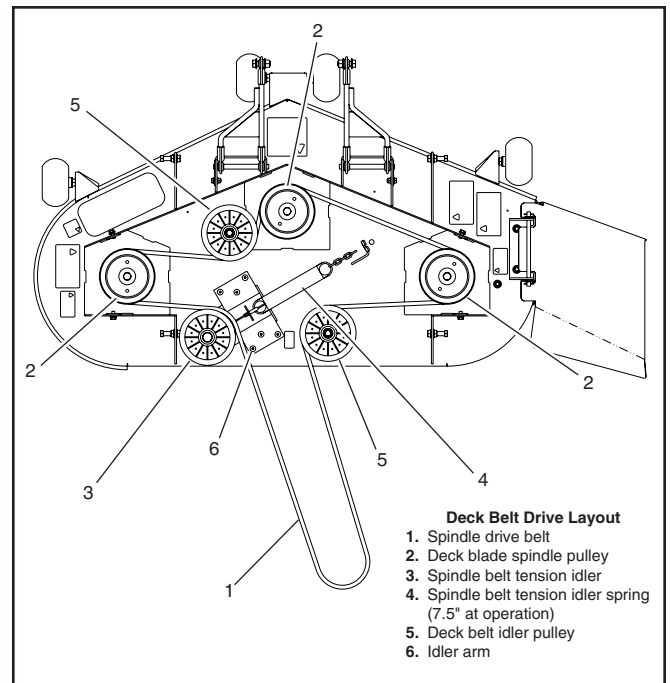


Figure 9-17

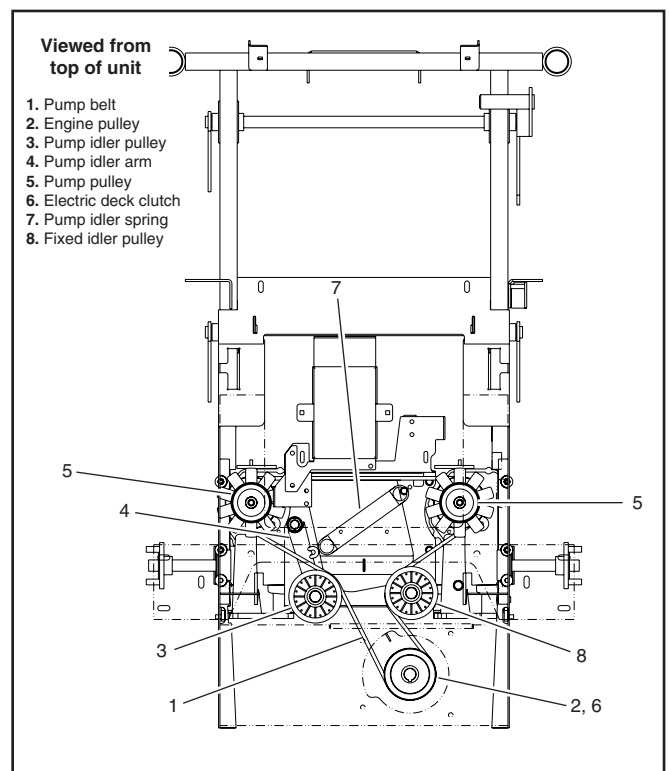


Figure 9-18

9. Re-install the deck belt covers.
10. Re-attach the negative battery cable.

Integrated pump/motor drive 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. 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 out of the anchor bracket slot. This will relieve the tension on the deck belt idler spring. Fig. 9-17

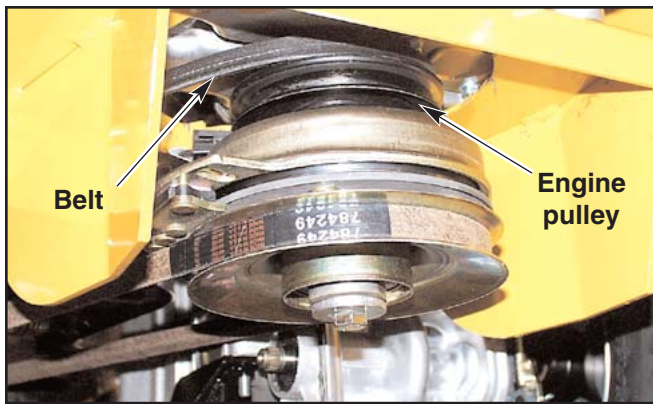


Figure 9-19

4. Remove the deck drive belt from the electric clutch pulley. This belt does not need to be removed from any of the other pulleys.
5. Release the tension from the integrated pump/motor belt by pulling on the idler pulley (extending spring carefully) and sliding the belt over it. Use caution when releasing the idler pulley as there is still tension on it and it will snap back into position. Fig. 9-18
6. 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. 9-19
7. Slide the belt over the integrated pump/motor pulleys.
8. Slide the belt off of the fixed idler pulley.
9. The belt can now be removed from above the engine pulley.
10. 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.
11. Slide the belt over the fixed idler pulley and then over the integrated pump/motor pulleys.
12. Slide the belt onto the engine pulley.
13. Pull the idler pulley over and slide the belt onto it. Make certain to keep fingers from getting between the belt and the pulley when the pulley is released and tension is re-established.
14. Re-install the deck drive belt on the electric clutch pulley and make sure it is routed properly on all of the deck pulleys.
15. Re-tension the deck belt idler per the Deck drive belt adjustment section located elsewhere in this manual.
16. Re-attach the negative battery cable.

Mower blade maintenance

Check the mower blades daily, they are the key to power efficiency and well groomed turf. Keep them sharp, a dull blade will tear rather than cut the grass, leaving a brown ragged top on the grass within a few hours. A dull blade also requires more power from the engine.

Replace any blade which is bent, cracked or broken.



WARNING: Never attempt to straighten a bent blade by heating, or weld a cracked or broken blade as the blade may break and cause serious injury. Replace worn or damaged blades.



DANGER: Never work with blades while engine is running or deck clutch switch is engaged (on). Always place deck clutch switch in the **disengaged** position, place control levers in the park brake position and turn engine off and disconnect negative battery cable. Block up mower when you **must** work under it. Wear gloves when handling blades. **Always check for blade damage** if mower strikes rock, branch or other foreign object during mowing!



WARNING: Always wear adequate eye protection when grinding mower blades.

Always place deck clutch switch in the **disengaged position**, place control levers in the park brake position and turn engine off and disconnect negative battery cable. Block up mower when you **must** work under it. Wear gloves when handling blades. **Always check for blade damage** if mower strikes rock, branch or other foreign object during mowing!

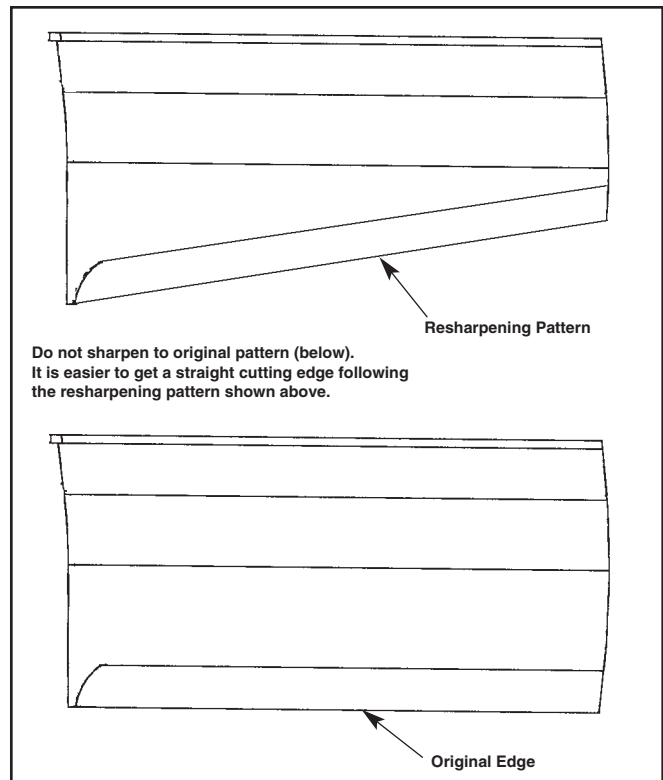


Figure 9-20

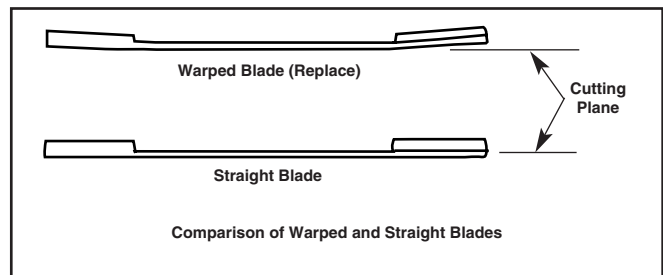


Figure 9-21

Mower blade removal

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. 9-20). 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. 9-21 and 9-22). 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 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.

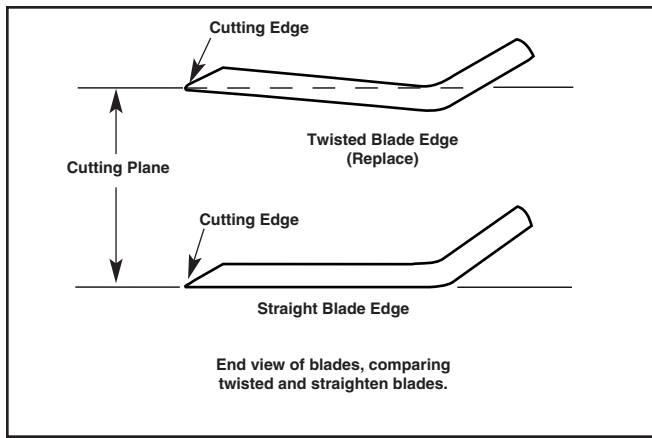


Figure 9-22

ADJUSTMENTS

Introduction

Your FasTrak 44/52 was adjusted before it left the factory and was checked during predelivery 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 particle 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.

Seat adjustment

The seat can be adjusted forward and rearward by removing the two cap screws that lock the seat platform in place and pivoting the seat platform up and forward. Then loosen the four cap screws on the underneath side of the operator's platform. Position the seat where you have the best control of the machine and are the most comfortable and then tighten the cap screws. Fig. 9-23

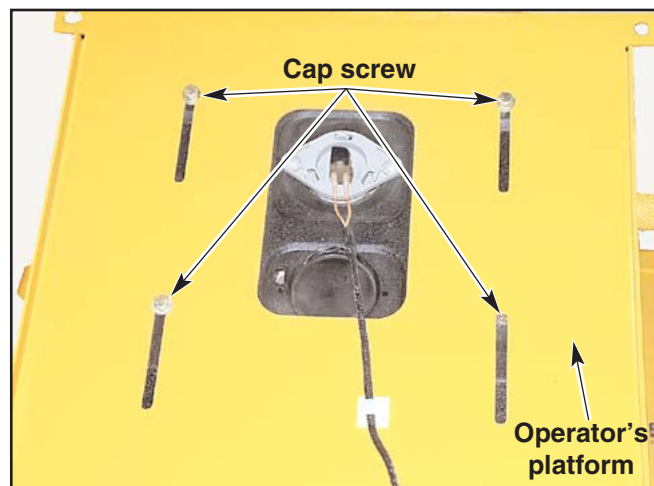


Figure 9-23

Control lever adjustment

The control levers can be adjusted for operator comfort. By loosening the cap screws that attaches the upper control lever to the lower lever (Fig. 9-24), the upper control lever can be pivoted to fit the operator's personal preference.

The control levers can also be adjusted up and down. Remove the cap screws and slide the upper control lever up or down and align the holes in it with the holes in lower lever. Re-install the cap screws and tighten.

The control levers should be adjusted so that they align with each other when in the neutral position.

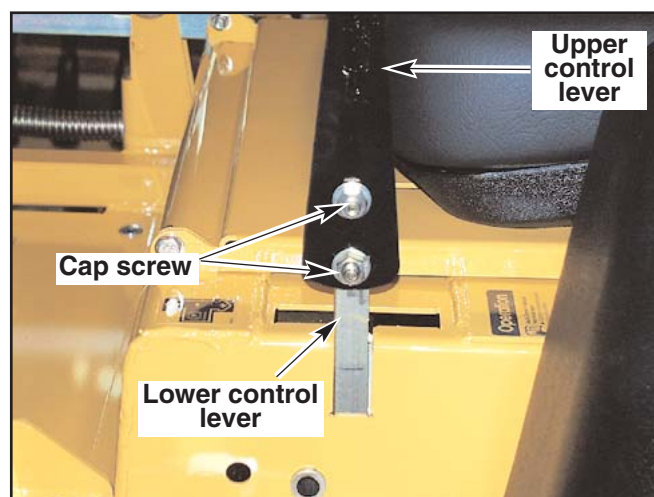


Figure 9-24

Steering linkage

The neutral adjustment for the control levers in the neutral position is discussed in this section.

The tractor steering has been factory adjusted to eliminate creeping when the control levers are in the neutral position (Fig. 9-25). However, should the tractor begin to creep, the control lever linkage can be adjusted as follows:

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.

Fine adjustment to the unit's steering is made with the adjustable pump linkage rods. Fig. 9-26

Neutral is properly adjusted when the control levers are in the neutral position and the drive wheels are not turning.

If the tractor creeps in the neutral position the control linkage may be adjusted as follows:

1. 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.

2. Position the control lever in the neutral position. Disengage the deck clutch switch Fig. 9-25.
3. Loosen the nut on the steering dampener's rear ball stud. Fig. 9-26

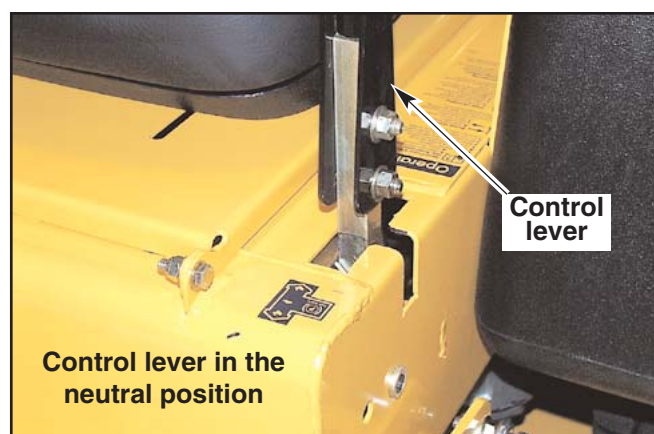


Figure 9-25

4. Remove the cotter key that connects the brake link to the brake pawl. Remove the brake link from the brake pawl. Fig. 9-30
 5. Start the engine and observe which way the wheels are rotating.
 6. If wheel(s) are rotating forward, loosen the jam nuts on the pump linkage rods and rotate the rod to lengthen the steering control linkage until the wheel(s) come to a stop. Fig. 9-26
- NOTE:** The left linkage controls the left integrated pump/motor and the right linkage controls the right integrated pump/motor. Repeat for the opposite side if necessary.

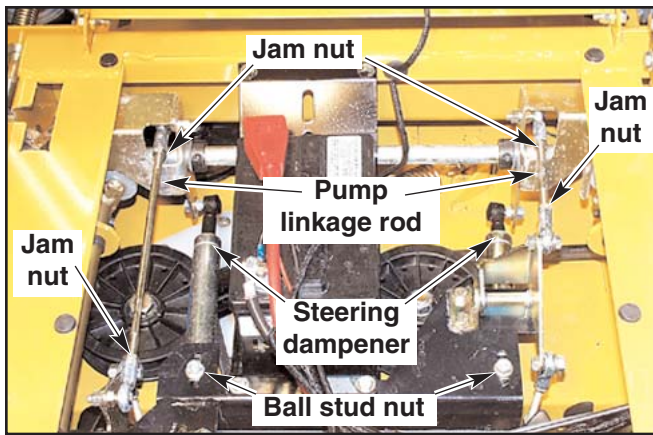


Figure 9-26

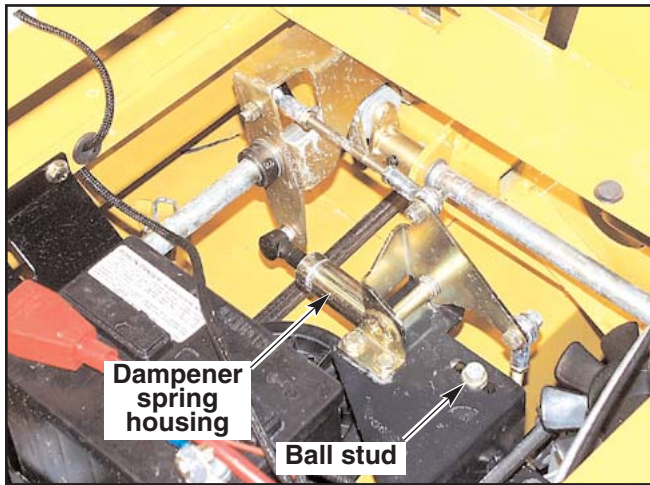


Figure 9-27

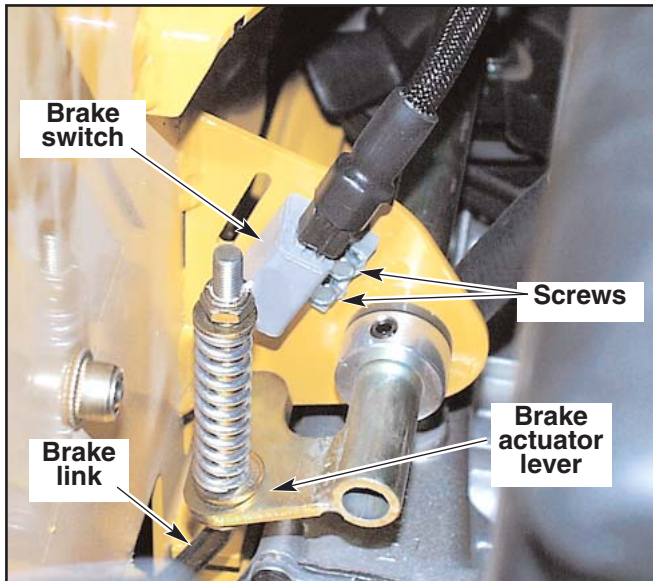


Figure 9-28

If wheel(s) are rotating in reverse then loosen the jam nuts on the pump linkage rods and rotate the rod to shorten the steering control linkage until the wheel(s) come to a stop. Fig. 9-26

Repeat for the opposite side if necessary.

7. When both wheels remain in neutral, tighten the jam nuts to lock the pump linkage rod in place.
8. Test again by moving the control levers forward and backward before returning them to the neutral position. If the tires remain in

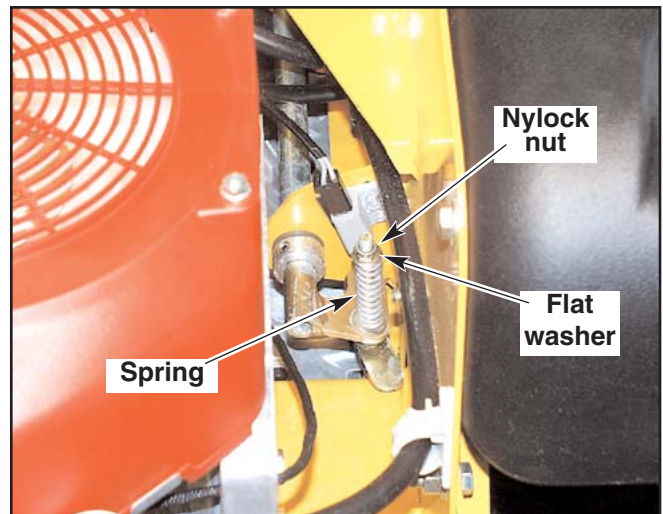


Figure 9-29

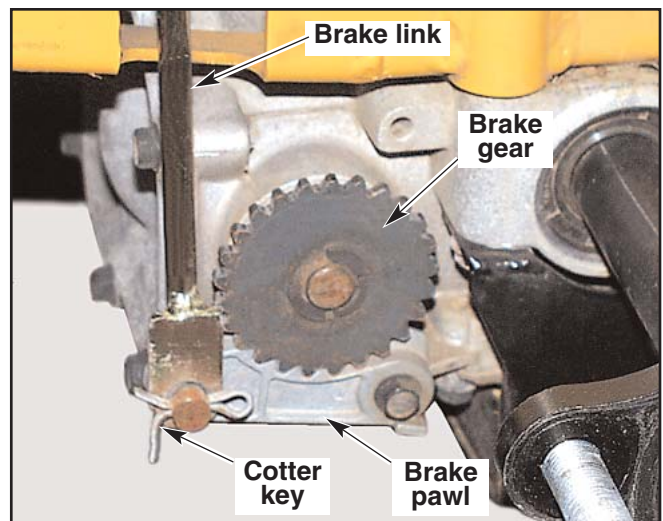


Figure 9-30

neutral, the unit is now ready for operation.

9. Shut the engine off. Place the control levers in the neutral position and reconnect the brake link to the brake pawl. Re-insert the cotter key. Fig. 9-30
10. Re-tighten the steering dampener's rear ball stud after adjusting the dampener per the following instructions:

Steering dampener

The steering dampener (Fig. 9-27) 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 tractor 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. Place the control lever in the neutral position. Fig. 9-25
3. Loosen the steering dampener's rear ball stud.
4. Pull the dampener spring housing, to the rear, past the point that the internal spring is engaged.
5. Release the dampener spring housing and allow the internal spring to bring the housing back to the neutral position.
6. Tighten the nut on the steering dampener's rear ball stud.
7. To check, move the control lever to the reverse position and release. The control lever should return to the neutral position. If not, repeat steps 1 thru 6.

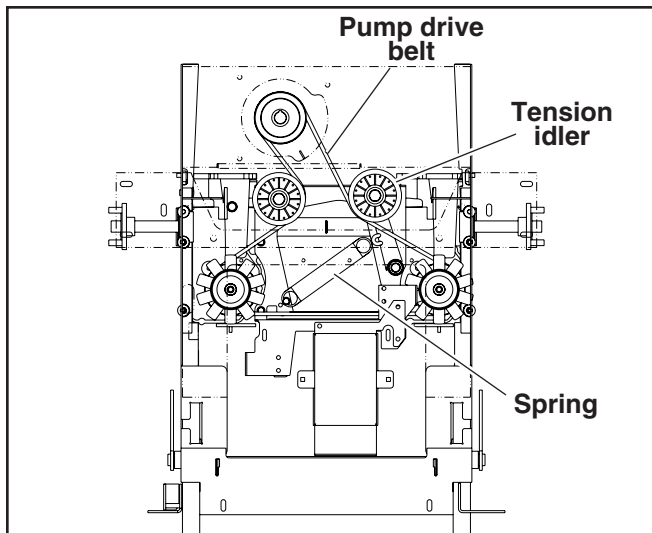


Figure 9-31

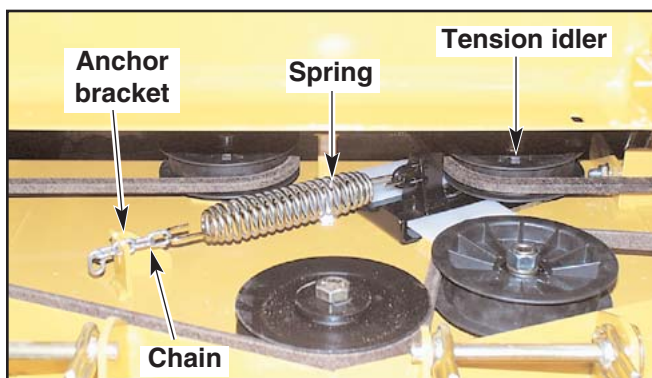


Figure 9-32

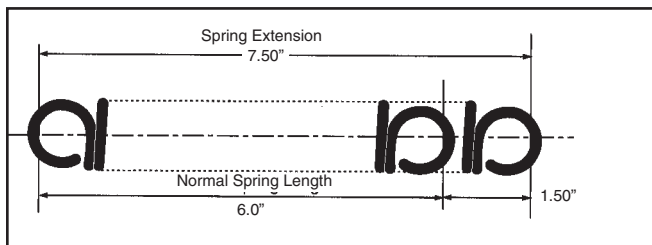


Figure 9-33

Park brake spring adjustment

Occasionally check the park brake spring 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. Position the control lever in the neutral position.
3. Make sure the brake actuator lever and the brake link are all the way down. Fig. 9-28
4. Tighten the nylock nut on top of the spring assembly until it is touching the top flat washer. **Do not** compress the spring. Fig. 9-29
5. Place the control lever in the park brake position. The brake pawl should now be activated and engaging the integrated pump/motor brake gear. Fig. 9-30
6. Repeat steps 2 thru 4 for the other side.

Park brake switch adjustment

Occasionally the park brake switch may need adjustment. Use the following method to adjust the switch:

1. Park the unit on a flat surface. Stop the engine and remove the ignition key. Place control levers in the park brake position.
2. Loosen the screws holding the switch. Fig. 9-28



Figure 9-34

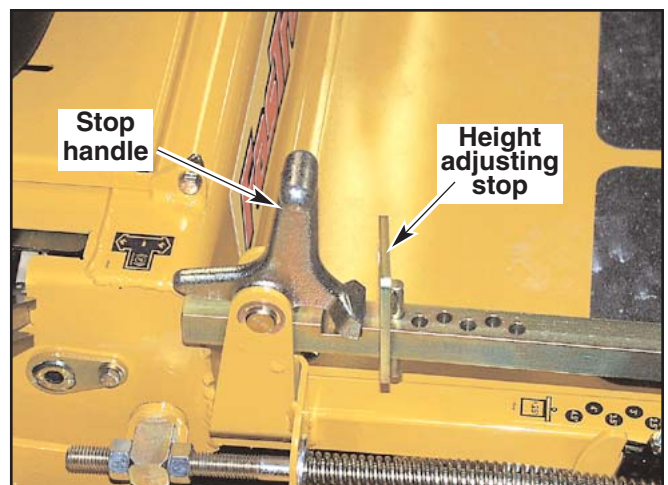


Figure 9-35

3. Slide the switch all the way down until it is fully activated (button pushed in) against the brake actuator lever.
4. Tighten the screws.

Hydraulic pump belt adjustment

The pump drive belt tension remains constant by means of a tension idler and spring (Fig. 9-31). There is no tension adjustment of this belt. **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. 9-32). The spring tension 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. 9-32). Installed spring length should be 7.50" \pm .3" (19.05 cm \pm .76 cm) originally with adjustments of .60" (15.2mm) per chain link. (Fig. 9-32 & 9-33)

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

Engine RPM setting

The FasTrak 44/52 is designed so that the engine will run at 3400 rpm 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:
Drive wheels tire pressure8 - 10 psi
Gauge wheels tire pressure8 - 10 psi



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" of blocking under all 4 corners of the deck (Fig. 9-34). This will set the cutting height at 3 1/4". **NOTE:** Back of deck will automatically be set 1/4" higher.
4. Set cutting height at 3 1/4" in the height indicator by placing the height adjusting stop in the 3" hole, and turning the height stop so that the flat side is against the stop handle. Fig. 9-35
5. Clamp the height adjusting stop against the stop handle (Fig. 9-35). This will assure that the height will not move during the setting process. Otherwise, spring pressure from the deck lift springs will tend to pull the stop away from the handle.
6. Loosen all nuts on the deck lift threaded rods, and the hardware on the adjuster (on the right front), until **all** the deck lift chains are loose, **and** the deck is sitting tightly on all four blocks. Fig. 9-36, 9-37, 9-38
7. Loosen the two nuts on the front of height indicator so that the foot pedal is free. Fig. 9-39
8. Start the leveling process on the **left front** of the tractor.
9. Set the amount of threads protruding on the deck lift rod from the lift block at approximately 1". Fig. 9-40
10. Jam both nuts against the block.
11. Push or pull on the deck lift foot pedal until the **chain on the left front** just becomes tight, making sure that the deck stays tight

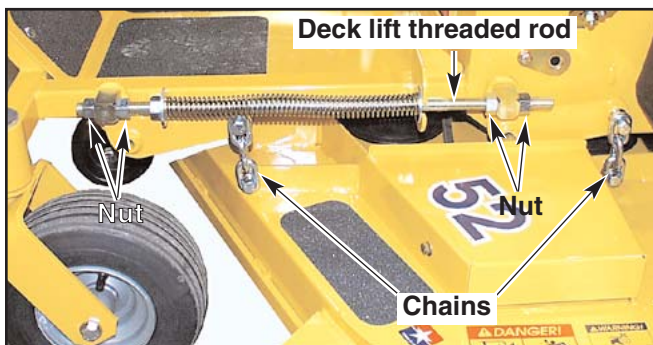


Figure 9-36

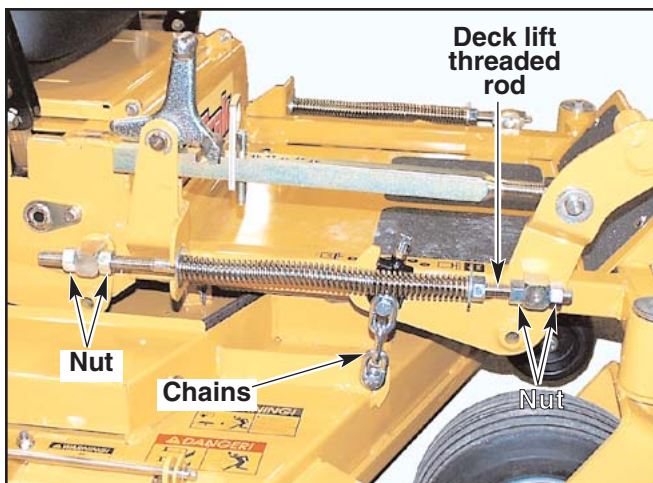


Figure 9-37

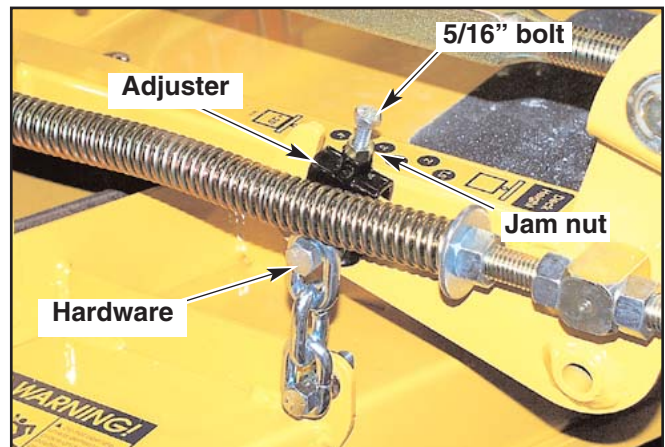


Figure 9-38

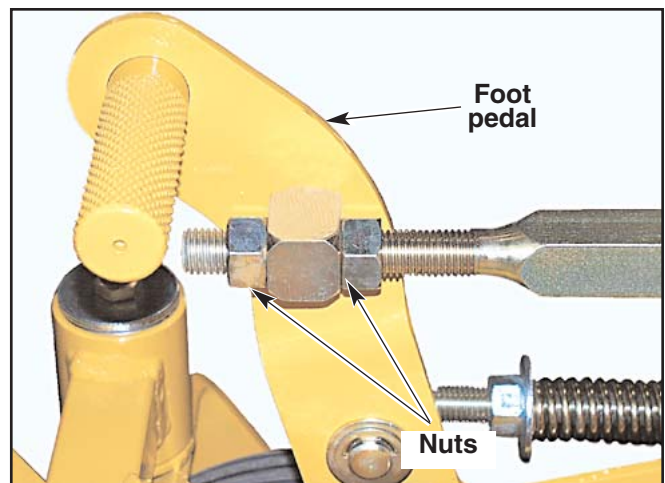


Figure 9-39

against the 3" block.

12. While keeping the chain tight, tighten the nuts against the deck lift block on the height indicator rod. Fig. 9-39
13. Go to the **right front** of the tractor.
14. Loosen the 5/16" jam nut on the adjuster lift chain (Fig. 9-38), and back the adjuster bolt out to allow the adjuster to move up and down freely.
15. Be sure that adjuster is free to move up and down.
16. Tighten the adjuster bolt until the chain just becomes tight, making sure that the deck stays tight against the 3" block.
17. Tighten the adjuster bolt jam nut to prevent the adjuster bolt from moving. Fig. 9-38
18. Tighten the hardware holding the chain and adjuster onto the deck lift arm.
19. Go to the **right rear** of the tractor.
20. Make sure that there is still slack in the chain. If not, loosen the two nuts on the block holding the threaded rod until there is slack in the deck lift chain. Fig. 9-38
21. Tighten the appropriate nut until the chain just becomes tight, making sure that the deck stays tight against the 3" block.
22. Tighten the other nut on the opposite side of the block, and jam them tightly together against the block.
23. Go to the **left rear** of the tractor.
24. Make sure that there is still slack in the chain. If not, loosen the two nuts on the block holding the threaded rod until there is slack in the deck lift chain. Fig. 9-36
25. Tighten the appropriate nut until the chain just becomes tight.
26. Tighten the other nut on the opposite side of the block, and jam them tightly together against the block.
27. Compress the deck lift assist springs so that there is 1" of space between the front nut on the spring and the rear nut on the deck lift block (Fig. 9-40). Typical both sides.
28. When completed, all chains will be tight, and deck cutting height will be set to the deck height indicator.

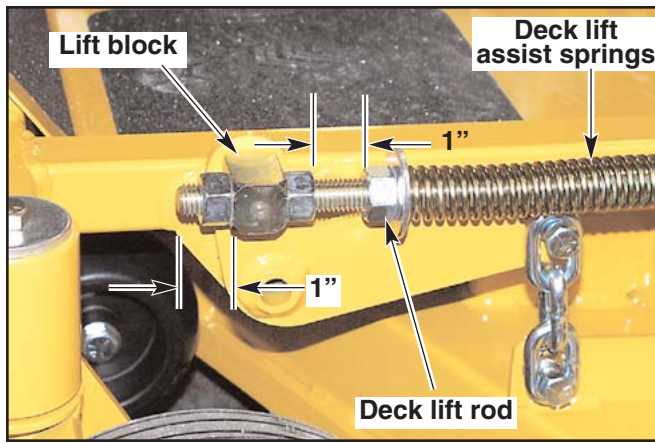


Figure 9-40