

REPAIR PARTS MANUAL MODEL NO. SO22H46YT (96042013500) 22.0 HP* 46 INCH LAWN TRACTOR

For Parts and Service, contact our authorized distributor: call 1-800-849-1297 For Technical Assistance: call 1-800-829-5886

*As rated by the engine manufacturer



HOW TO USE THIS MANUAL

This manual is designed to provide the customer with a means to identify the parts on his/her tractor when ordering repair parts. The illustrations may or may not represent the actual assemblies; therefore, it is not recommended to use this manual as a guide to assemble or disassemble the tractor. Some hardware and parts are drawn larger in order to more readily identify them.

Each tractor has its own model number.

The model number for your tractor can be found on the fender under the seat.

When ordering parts, always give the following information:

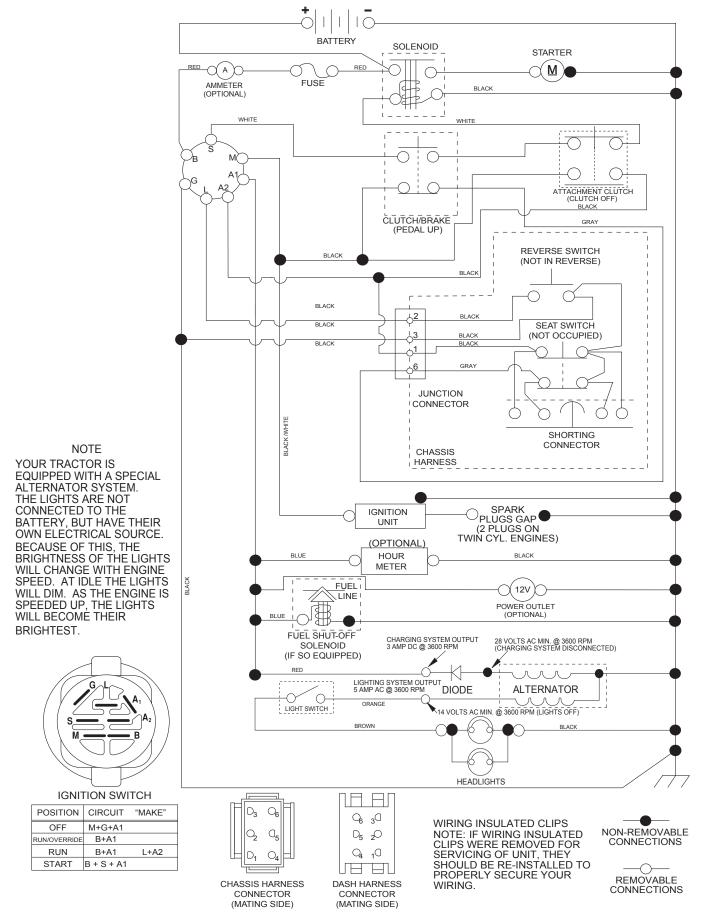
- Product "TRACTOR"
- MODEL NUMBER "SO22H46YT (96042013500)"
- Part Number
- · Part Description

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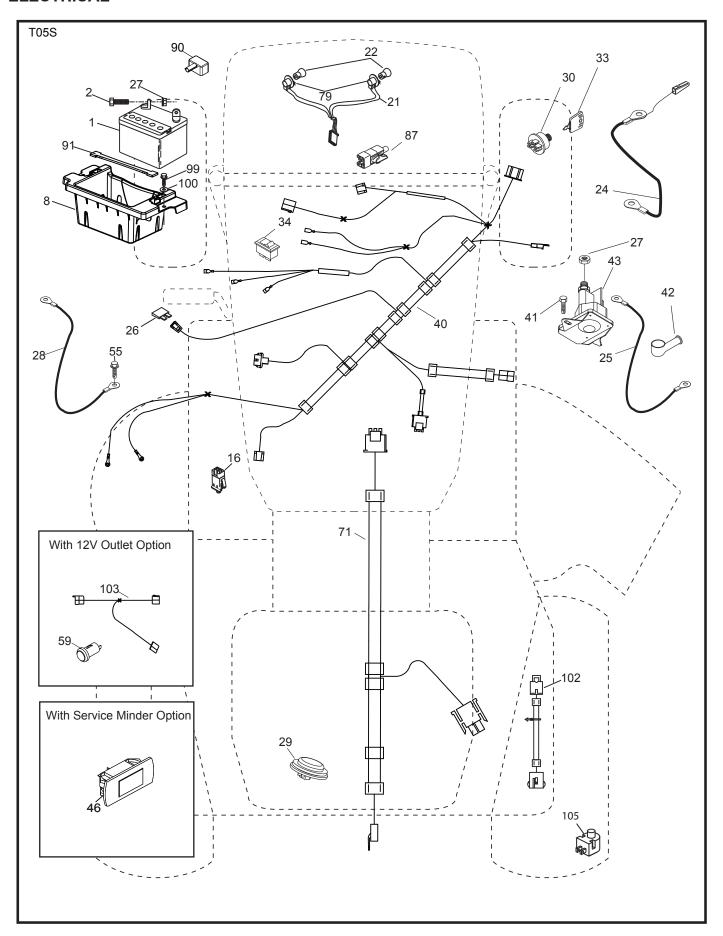
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TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 SCHEMATIC

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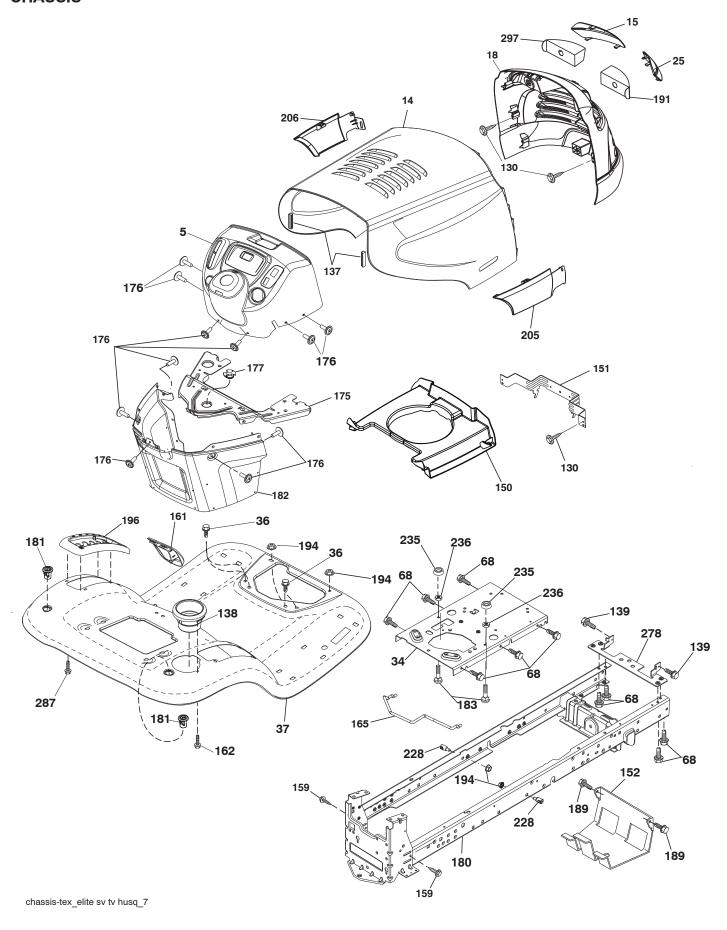
TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 ELECTRICAL



TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 ELECTRICAL

	PART	
NO.	NO.	DESCRIPTION
1	163465	Battery
2	74760412	Bolt Hex Head 1/4-20 x 3/4
8	186491	Box Battery
16	176138	Switch Interlock Push-In
21	183759	Harness Socket Light w/4152J
22	4152J	Bulb Light
24	400253	Cable Battery
	412894	Cable Starter
	175158	Fuse
	73510400	Nut Keps Hex 1/4-20 unc
28	145491	Cable, Ground
29		Switch, Seat
30	193350	Switch, Ignition
33	411933	Key/Chain
34		Switch Light/Reset
	401098	Harness Ignition Dash
	17720408	Screw Thd Cut 1/4-20 x 1/2
42	131563	Cover, Terminal
43	192507	Solenoid
46	401763	Gauge SRVCMNDR HRMTR
55	17060512	Screw Thdrol 5/16-18 x 3/4 TYTT
71	194276	Harness Ignition
79	– . –	Socket Asm Bulb Twistlock
87	197802	Switch Interlock Clutch Cable
90	435395	Cover Terminal Battery
91	190270	Strap Battery
99	17670412	Screw 1/4-20 x 3/4
100		Washer 9/32 x 7/8 x 16
102		Harness Pigtail
105	407568	Switch Reverse

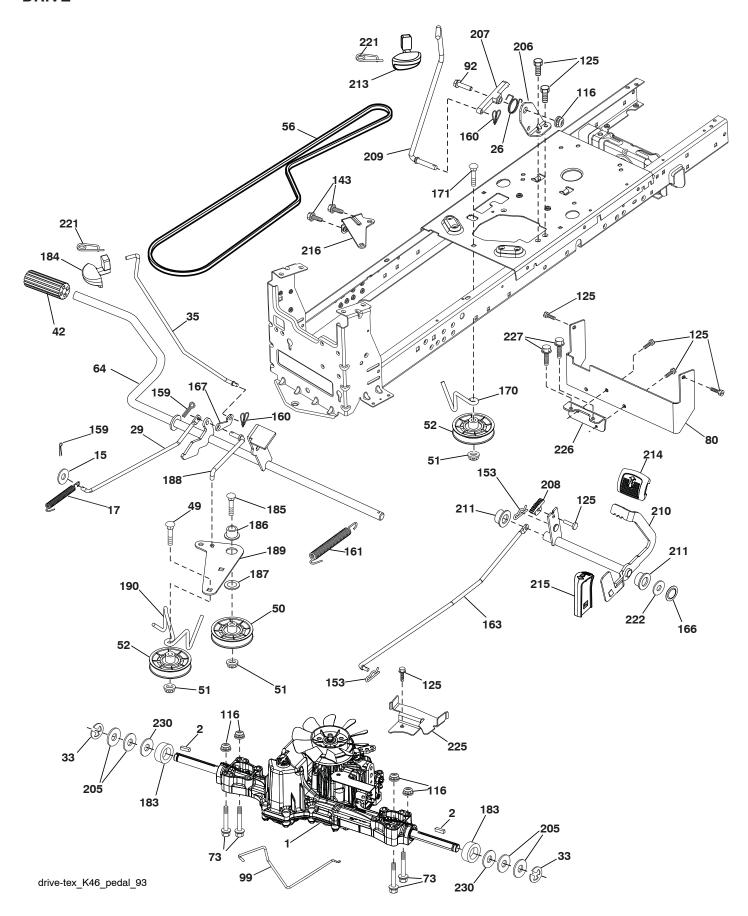
TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 CHASSIS



TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 CHASSIS

KEY NO.	PART NO.	DESCRIPTION
5	199647X428	Dash
14	425404X667	Hood
15	188264X599	Lens Grille LH
18	430395X428	Grille
25	188263X599	Lens Grille RH
34	196125	Plate Engine
36	17060512	Screw 5/16-18 x 3/4
37	414878X667	Fender
68	17490508	Screw THDROL 5/16-18 x 1/2
130	416358	Screw #10 x 0.750 BOS Thread
137	184921	Bumper Hood
138	193224X428	Cupholder
139	171873	Bolt Shoulder 5/16-18
150	431632	Duct Heat Hood Bracket Pivot
151	407807 199535	Shield Browning/Debris
152 159	17000612	Screw 3/8-16 x 3/4
161	193229X428	Window Fuel
162	142432	Screw Hex Wsh Hi-Lo 1/4 x 1/2 unc
165	196826	Support Tank Rear
175	193243	Crossmember
176	400776	Screw 10-24 x 5/8 Wshd Qdrx
177	195227	Bushing Steering
180	195457	Chassis
181	193102X428	Bushing Mtg. Fender Crgo.
182	193057	Dash Lower
183	74520520	Bolt 5/16-18 x 1-1/4
189	17000512	Screw 5/16-18 x 3/4
191	416500	Insert Lens Reflective RH
194	73900500	Nut Lock Hex Flange 5/16-18
196	414579	Console Asm. Deck Lift
205	188265X428	Skirt Side RH
206 213	188266X428 74760512	Skirt Side LH Bolt Hex HD 5/16-18 unc x 3/4
228	195161	Stud Fastener
235	406129	Spacer Fender
236	73930500	Nut Center Lock 5/16-18 unc
278	196394	Bracket Hood
287	17600406	Screw Hex Washead 1/4-20 x 3/8
297	188267	Insert Lens Reflective LH

TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 DRIVE



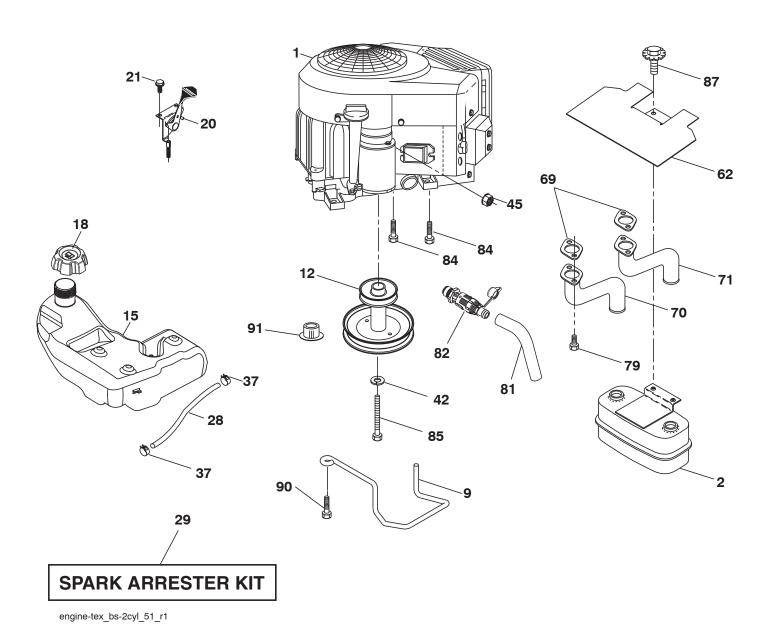
TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1		Transaxle, Tufftorq K46BT (426120)	170 171	194322 72110616	Keeper Belt Centerspan Bolt 3/8-16 x 2
		(Order parts from transaxle manu-	183	137057	Spacer Axle
0	100500	facturer)	184	198403X667	Handle Parking Brake
2	123583X	Key	185	72110622	Bolt
15 17	19131316	Washer 13/32 x 13/16 x 16 Ga.	186	194321	Spacer Retainer
26	413678 199679	Spring, Brake Spring Return Cruise	187	19133210	Washer
29	403806	Rod, Brake	188	194323	Link Clutch Ground Drive
33	12000001	Ring E	189	194317	Bellcrank Ground Drive
35	197722	Rod, Brake, Park	190	194318	Keeper Bellcrank Ground Drive
42	8883R	Cover, Foot Pedal	205	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
49	72110614	Bolt	206	197867	Bracket Mount Latch Cruise
50	194327	Pulley Idler Flat	207	197868	Latch Control Cruise
51	73900600	Lock Nut 3/8-16	208	197869	Gear Sector Control Cruise
52	194326	Idler V-Groove 910" Offset	209	400769	Rod Control Cruise
56	130969	V-Belt, Drive	210	400980	Rockr Asm. Pdeal Control
64	197865	Shaft Asm. Pedal Brake Control	211	120183X	Bearing Nylon
73	74490540	Bolt Hex 5/16-18 x 2-1/2 Gr. 5	213	400799 x428	Knob control Cruise
80	440619	Strap Torque	214	421263	Pad Pedal Forward
92	74760520	Bolt Fin Hex 5/16-18 unc x 1.25	215	197301 x428	Pad Pedal Reverse
99	415742	Rod Spring Bypass	216	196131	Bracket Pulley Idler
116	73900500	Nut Lock Hex Flange 5/16-18	221	403187	Retainer Spring Clip Handle
125	17000512	Screw 5/16-18 x 3/4	222	79212010	Washer 21/32 x 1-1/4 10 Ga.
143	17490508	Screw 5/16-18 x 1/2	225	403319	Keeper Belt Transaxle
153	4497H	Retainer Spring	226 227	401564 17490512	Bracket Mount Torque Screw Thdrol 5/16-18 x 3/4
159	76020412	Pin Cotter 1/8 x 3/4	230	188967	Washer Harden .793 x 1.637 x 060
160	169484	Retainer Clip	230	100907	Washer Harden .795 x 1.057 x 000
161	105709X	Spring, Return, Clutch			
163	401034	Rod Pedal Control	NOTI		nt dimensions given in U.S. inches
166	429164	Nut Push .625		1 inch = 25.4	· mm

Latch Brake Parking

167 405257

TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 ENGINE



TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 ENGINE

KEY		DESCRIPTION
NO.	NO.	DESCRIPTION
1		Engine B&S Model No. 407777-2195-G1 (438216) (Order parts from engine manufacturer)
2	149723	Muffler
9	194320	Keeper Belt Engine
12	405472	Pulley Engine
15	438080	Tank Fuel
18		Cap Fuel
20		Control Throttle/Choke
21	416358	Screw #10 x 0.750 BOS Thread
28		Fuel Line
29		Spark Arrester Kit
37		Clamp Hose
42		Washer Lock 7/16
45		Nut Keps Hex 1/4-20 unc
62	434017	Shield Heat Muffler
69	165391	Gasket
70		Exhaust Tube LH
71		Exhaust Tube RH
79		Screw Socket HD 5/16-18 x 1
81		Tube Drain Oil Easy
82		Valve Drain Oil
84	17060620	Screw 3/8-16 x 1-1/4
85		Bolt 7/16-20 x 4 x Gr. 5-1.5
87		Bolt 5/16 - 18 x 3/4
90	17000616	Screw 3/8-16 x 1
91	187495	Bushing

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

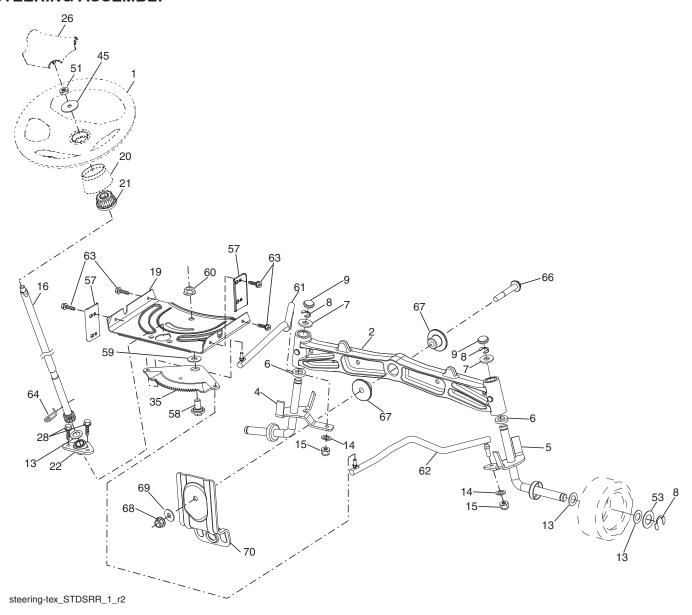
For engine service and replacement parts, call the toll free number for your engine manufacturer listed below:

Briggs & Stratton 1-800-233-3723

Engine Power Rating Information

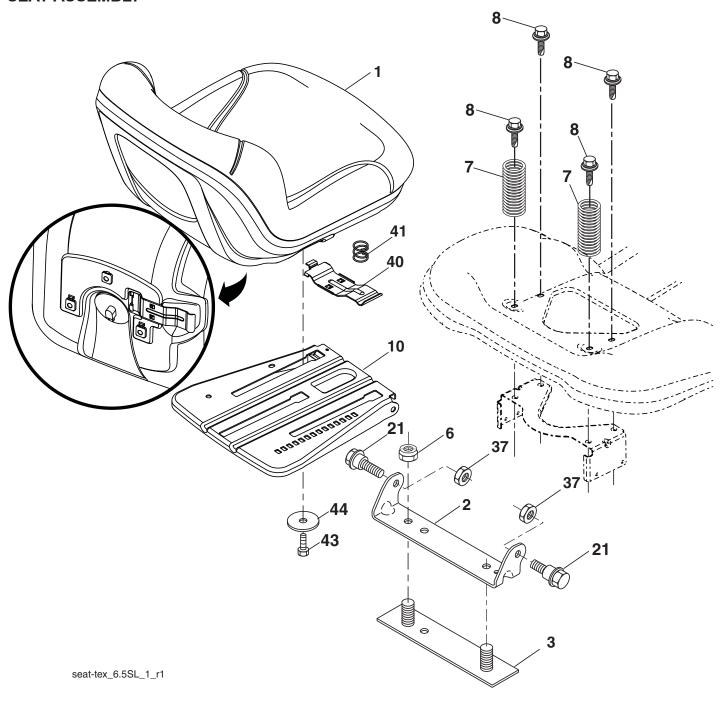
The gross power rating for individual gas engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J1940 (Small Engine Power & Torque Rating Procedure), and rating performance has been obtained and corrected in accordance with SAE J1995 (Revision 2002-05). Torque values are derived at 3060 RPM; horsepower values are derived at 3600 RPM. Actual gross engine power will be lower and is affected by, among other things, ambient operating conditions and engine-to-engine variability. Given both the wide array of products on which engines are placed and the variety of environmental issues applicable to operating the equipment, the gas engine will not develop the rated gross power when used in a given piece of power equipment (actual "on-site" or net power). This difference is due to a variety of factors including, but not limited to, accessories (air cleaner, exhaust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperature, humidity, altitude), and engine-to-engine variability. Due to manufacturing and capacity limitations, Briggs & Stratton may substitute an engine of higher rated power for this Series engine.

TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 STEERING ASSEMBLY



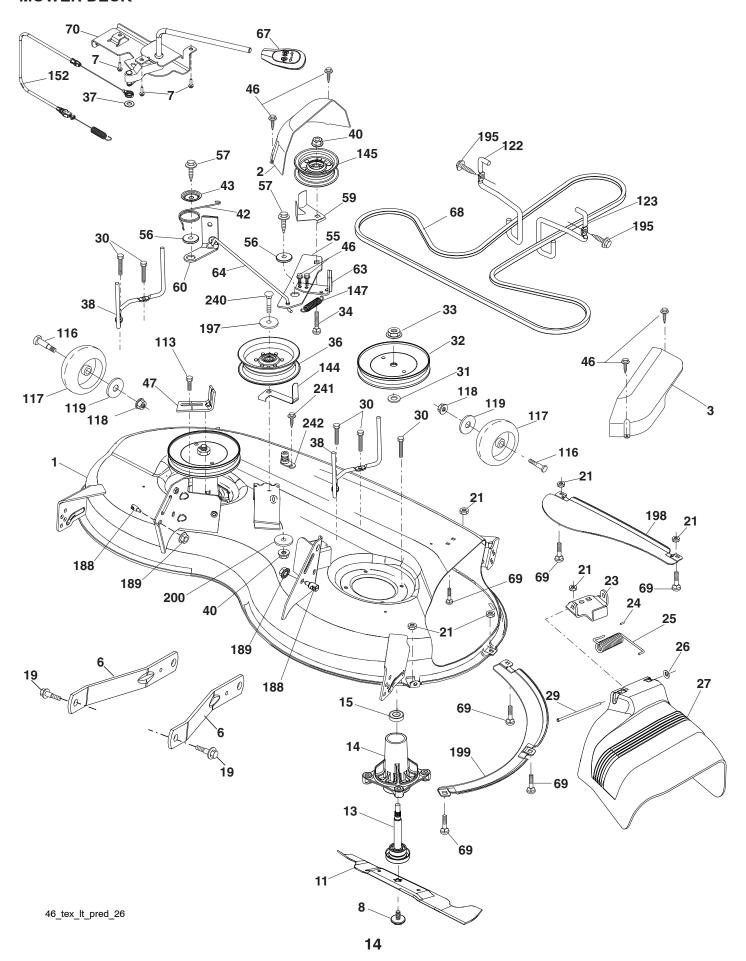
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	194637 195968	Wheel, Steering Axle Asm., Front	45 51 53	19183812 73940800 188967	Washer 9/16 ID x 2-3/8 x 12 Ga. Nut Hex Jam Toplock 1/2-20 unf Washer Hardened. 793 x 1.637 x .060
4 5 6	403087 403088 6266H	Spindle Asm., LH Spindle Asm., RH Bearing, Race Thrust Harden	57 58	407465 194747	Bracket Upstop Bolt Shoulder Sector Pivot CFM
7	121748X	Washer 25/32 x 1-5/8 x 16 Ga.	59	194748	Washer Thrust Sector Steering Nut Flange Lock 5/8-11
8	12000029	Ring, Clip #T5304-75	60	73971000	
9	121232X	Cap, Spindle	61	194740	Draglink, LH
13	121749X	Washer 25/32 x 1-1/4 x 16 Ga.	62	194741	Draglink, RH
14	10040600	Washer, Lock Hvy Hlcl Spr 3/8	63	17000512	Screw 5/16-18 x 3/4 Retainer Clip Spring Steering
15	73540600	Nut, Crown Lock 3/8-24 unf	64	199849	
16	408219	Shaft Steering Plate Steering	66	71020748	Bolt Hex Fghd 7/16-14 x 3 Serr
19	194729		67	194737	Bushing PM Front Axle
20	199743X428	Boot, Steering	68	73900700	Nut Lock Flange 7/16-14 Gr. 5
21	186737	Adapter, Wheel Steering	69	199162	Washer 1.5 x .505 x .118
22 26 28	420537 194603 17000612	Steering Support Lower Insert, Wheel Steering Screw 3/8-16 x 3/4	70 NOT	196197 =- All compone	Bracket Deck Susp. Front ent dimensions given in U.S. inches
35	194732	Gear, Sector Plate	14011	1 inch = 25.4	

TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 **SEAT ASSEMBLY**



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	406625	Seat	37	73800500	Nut, Lock 5/16-18 unc
2	180166	Bracket Pivot Fender	40	197661	Handle Slide Seat
3	140675	Strap, Asm Fender	41	198200	Spring Latch Seat
6	73800600	Nut, Lock w/Ins. 3/8-16 unc	43	74760612	Bolt Fin Hex 3/8-16 unc x 3/4
7	124181X	Spring, Seat Cprsn	44	19133812	Washer 13/32 x 2-3/8 x 12 Ga.
8	171877	Bolt 5/16-18 unc x 3/4 w/Sems			
10	196977	Pan, Seat	NOTI	E: All compone	ent dimensions given in U.S. inches
21	171852	Bolt, Shoulder 5/16-18		1 inch = 25.	4 mm

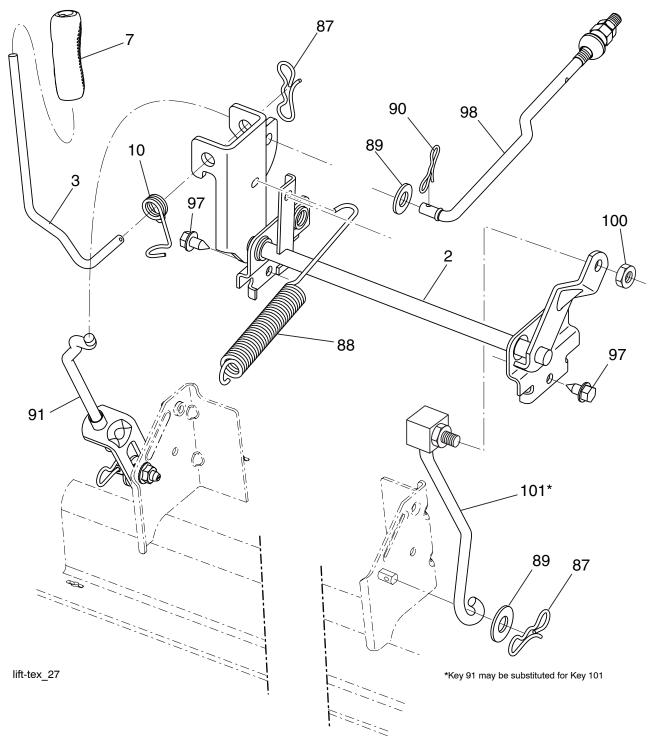
TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 MOWER DECK



TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 MOWER DECK

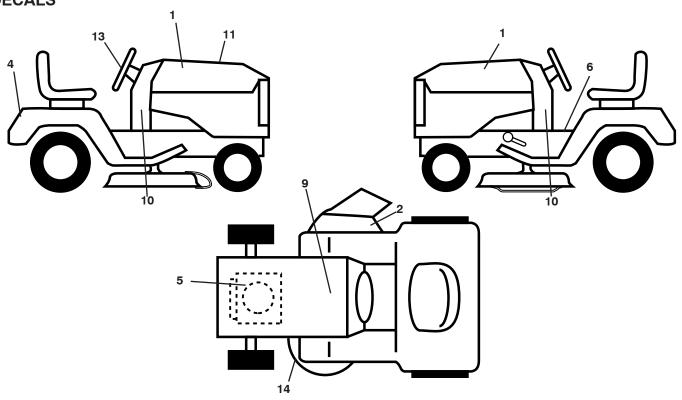
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	441611	Mower Housing	63	199477	Arm Brake Mower
2	405507	Cover Mandrel LH	64	405138	Linkage Brake
3	405506	Cover Mandrel RH	67	198398X428	Handle, Clutch Cable
6	195186	Arm Suspension	68	405143	V-Belt
7	416358	Screw #10 x 0.750 BOS Thread	69	72140505	Bolt
8	193003	Bolt/Washer Asm 7/16-20 unf	70	199779	Clutch Asm. Manual
11	405380	Blade Mower Hi-Lift	113	17000510	Screw 5/16-18
	403107	Blade Mower Mulching	116	4898H	Bolt, Shoulder
13	192872	Shaft Assembly, Mandrel	117	188606	Wheel, Gauge
14	187281	Housing, Mandrel	118	73900600	Nut, Crownlock 3/8-1
15	110485X	Bearing, Ball, Mandrel	119	19121414	Washer 13/32 x 7/8 x 14 Ga.
19	196539	Bolt, Shoulder	122	197258	Keeper Belt Eng. LH
21	73680500	Nut	123	197259	Keeper Belt Eng. RH
23	192557	Bracket, Deflector	144	199204	Keeper Belt
24	105304X	Cap, Sleeve	145	193197	Pulley Idler Primary
25	197026	Spring, Torsion, Deflector	147	401872	Spring Return
26	110452X	Nut, Push	152	435111	Cable Clutch Manual w/Spr.
27	405357	Shield, Deflector	188	195161	Stud Fastener
29	131491	Rod, Hinge	189	73900500	Nut Lock Hex Flange
30	173984	Screw Thdrol Rolling Wsh Hd	195	17000612	Screw 3/8-16 x 3/4
31	187690	Washer, Spacer	197	19131312	Washer 13/32 x 13/16 x 12 Ga.
32	197473	Pulley, Mandrel	198	403149	Baffle Center Front
33	400234	Nut, Toplock, Flanged	199	403150	Baffle Front RH
34	72110612	Bolt Carr Sh. 3/8-16 x 1-1/2 Gr. 5	200	413524	Washer 13/32 x 1 x 1/2 11 Ga.
36	197379	Pulley, Idler	240	74520636	Bolt Fin Hex 3/8-16 x 2-1/4 Gr. 5
37	19131316	Washer 13/32 x 13/16 x 16 Ga.	241	152927	Screw
38	432520	Keeper Belt Mandrel	242	415598	Washout Port
40	73900600	Nut, Lock Flg. 3/8-16 unc		192870	Mandrel Assembly (Includes
42	198410	Spring Torsion Brake			housing, shaft assembly, and bea-
43	197256	Spring Torsion Retainer			ring only - pulley/nut/washer and
46	137729	Screw			blade bolt/washers not included)
47	197250	Bracket Clutch Cable		416405	Quick Connect Coupling
55	197249	Arm, Idler		418063	Replacement Mower, Complete
56	199092	Spacer, Retainer			
57	17000616	Screw Hexwsh Thd 3/8-16 x 1			
59	141043	Guard, Tuv Idler (94)	NOTE		nt dimensions given in U.S. inches
60	199471	Arm Brake Mower		1 inch = 25.4	· mm

TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 MOWER LIFT



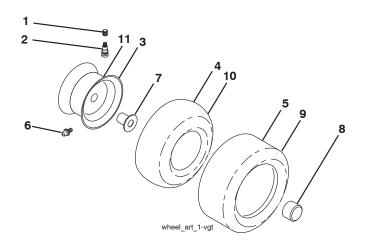
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
2 3 7 10 87	422027 195231 196492X428 196314 194209	Shaft Asm., Lift Lever Asm., Lift RH Grip, Lever Spring Torsion Pin Cotter 7/16 Bow Tie Lock	97 98 100 101	17000612 195270 73930600 407003	Screw 3/8-16 x .75 Smgml Tap/R.Z Link Lift Susp. Front Mower Nut Centerlock 3/8-16 unc Link Asm. Lift Fixed
88 89 90 91	410710 19191912 194208 195181	Spring Lift Assist Washer Clear Zinc Pin Cotter 5/16 Bow Tie Lock Link Asm. Lift Rear	NOTE	E: All componer 1 inch = 25.4	nt dimensions given in U.S. inches mm

TRACTOR - - MODEL NO. SO22H46YT (96042013500), PRODUCT NO. 960 42 01-35 DECALS



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	441539	Decal, Hood	13	442653	Decal, Steering Wheel
2	170563	Decal, Mower Warning	14	160396	Decal, Mower Schematic
4	190429	Decal, Fender		400981X428	Pad, Footrest Control
5	429556	Decal, Eng H.P.		166960	Decal, Bypass
6	411657	Decal, Fender Operator's		193226X428	Pad, Footrest, LH
9	145005	Decal, Battery Dnge/Poi		441146	Manual, Operator's (Eng/Span)
10	442083	Decal, Lower Dash		441147	Manual, Parts
11	438428	Decal, Replacement			•

WHEELS AND TIRES



KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap, Valve, Tire
2	65139	Stem, Valve
3	106732X624	Rim Assembly, Front
4	59904	Tube, Front
5	106222X	Tire, Front
6	278H	Fitting, Grease
7	9040H	Bearing, Flange
8	104757X428	Cap, Axle
9	138468	Tire, Rear
10	7152J	Tube, Rear
11	106108X624	Rim Assembly, Rear
	144334	Sealant, Tire (10 oz. Tube)

SERVICE NOTES

SERVICE NOTES

LIMITED WARRANTY

The Manufacturer warrants to the original consumer purchaser that this product as manufactured is free from defects in materials and workmanship. For a period of two (2) years from date of purchase by the original consumer purchaser, we will repair or replace, at our option, without charge for parts or labor incurred in replacing parts, any part which we find to be defective due to materials or workmanship. This Warranty is subject to the following limitations and exclusions.

- 1. This warranty does not apply to the engine, transaxle/transmission components, battery (except as noted below) or components parts thereof. Please refer to the applicable manufacturer's warranty on these items.
- Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by the manufacturer.
- 3. Battery Warranty: On products equipped with a Battery, we will replace, without charge to you, any battery which we find to be defective in manufacture, during the first ninety (90) days of ownership. After ninety (90) days, we will exchange the Battery, charging you 1/12 of the price of a new Battery for each full month from the date of the original sale. Battery must be maintained in accordance with the instructions furnished.
- 4. The Warranty period for any products used for rental or commercial purposes is limited to 90 days from the date of original purchase.
- 5. This Warranty applies only to products which have been properly assembled, adjusted, operated, and maintained in accordance with the instructions furnished. This Warranty does not apply to any product which has been subjected to alteration, misuse, abuse, improper assembly or installation, delivery damage, or to normal wear of the product.
- 6. Exclusions: Excluded from this Warranty are belts, blades, blade adapters, normal wear, normal adjustments, standard hardware and normal maintenance.
- 7. In the event you have a claim under this Warranty, you must return the product to an authorized service dealer.

Should you have any unanswered questions concerning this Warranty, please contact:

HOP Outdoor Products Customer Service Dept. 9335 Harris Corners Parkway Charlotte, NC 28269 USA In Canada contact: HOP 5855 Terry Fox Way Mississauga, Ontario L5V 3E4

giving the model number, serial number and date of purchase of your product and the name and address of the authorized dealer from whom it was purchased.

THIS WARRANTY DOES NOT APPLY TO INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE SAME TIME PERIODS STATED HEREIN FOR OUR EXPRESSED WARRANTIES. Some areas do not allow the limitation of consequential damages or limitations of how long an implied Warranty may last, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from locale to locale.

This is a limited Warranty within the meaning of that term as defined in the Magnuson-Moss Act of 1975.

