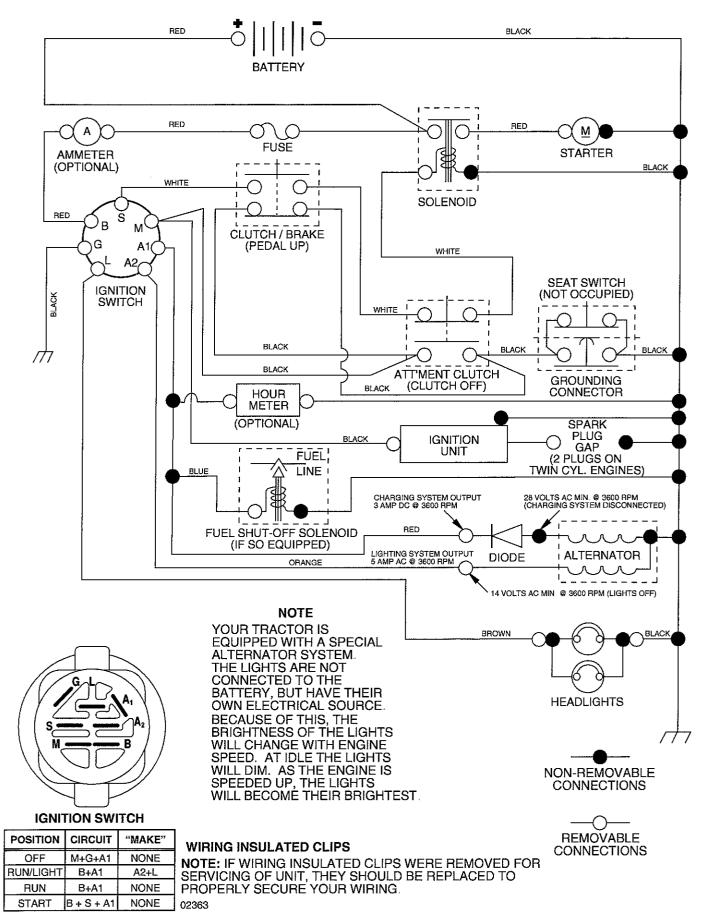
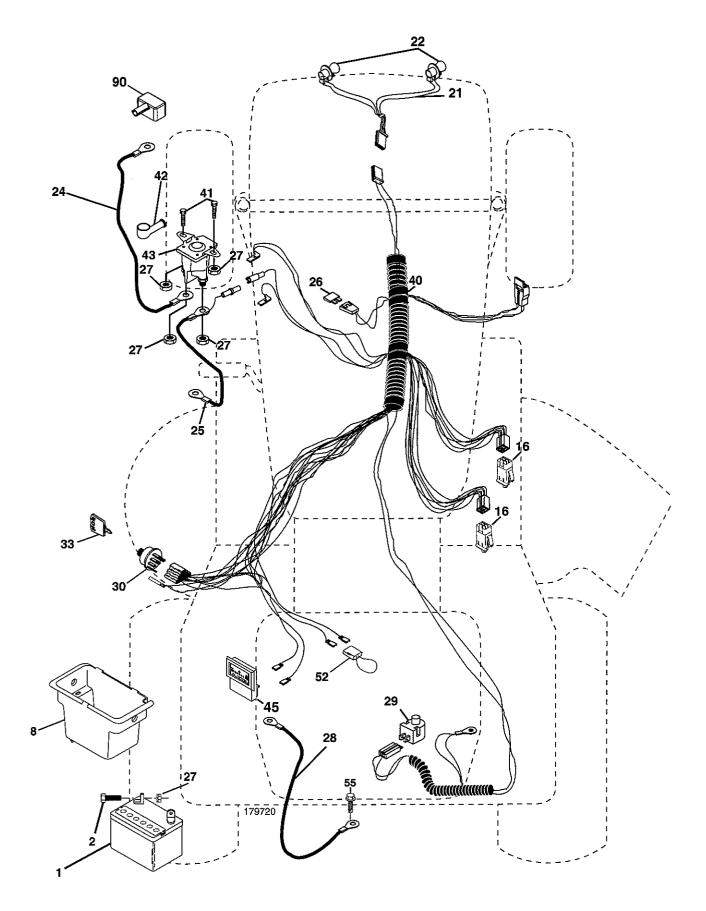
## TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 SCHEMATIC



TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 ELECTRICAL



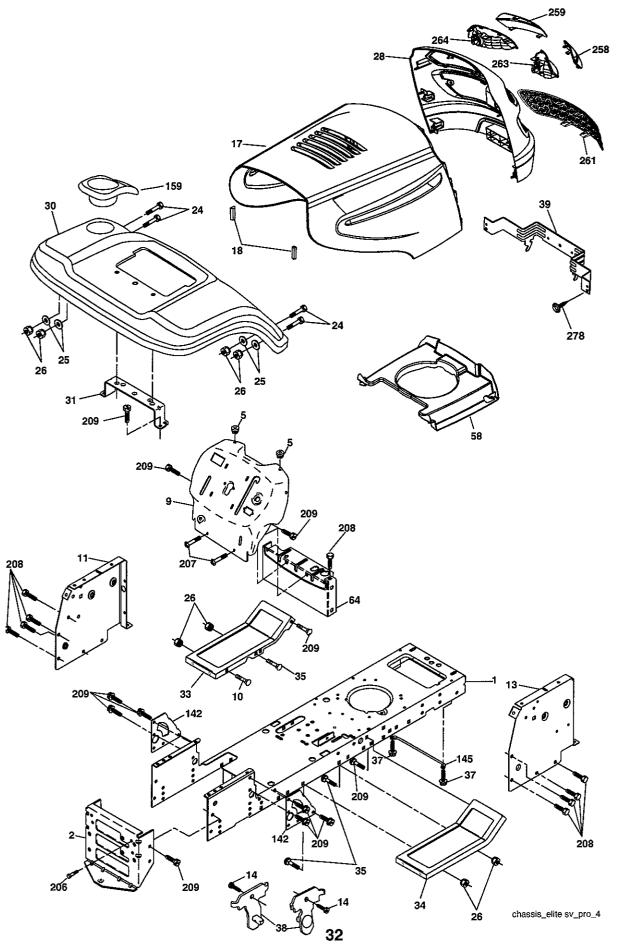
TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 ELECTRICAL

### KEY PART NO. NO. DESCRIPTION

- 1 532 16 34-65 Battery
- 2 874 76 04-12 Bolt Hex Hd 1/4-20 unc x 3/4
- 8 532 17 66-89 Box Battery
- 16 532 17 61-38 Switch Interlock Push-In
- 21 532 18 37-59 Harness Asm Light W/4152j
- 22 532 00 41-52 Bulb Light #1156
- 24 532 12 47-80 Cable Battery 6 Ga. 11" red
- 25 532 14 61-47 Cable Battery 6 Ga. 44" red w/16 wire
- 26 532 17 51-58 Fuse 20 AMP
- 27 873 51 04-00 Nut Keps Hex 1/4-20 unc
- 28 532 12 47-73 Cable Ground black
- 29 532 12 13-05 Switch Plunger Nc Gray
- 30 532 17 55-66 Switch Ign
- 33 532 14 04-01 Key Ign Molded Generic
- 40 532 17 97-20 Harness Ign.
- 41 871 11 04-08 Bolt Blk Fin Hex 1/4 20 x 1/2
- 42 532 13 15-63 Cover Terminal Red
- 43 532 17 88-61 Solenoid
- 45 532 12 14-33 Ammeter
- 52 532 14 19-40 Protection Wire Loop
- 90 532 18 04-49 Cover Terminal Battery

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

TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 CHASSIS AND ENCLOSURES



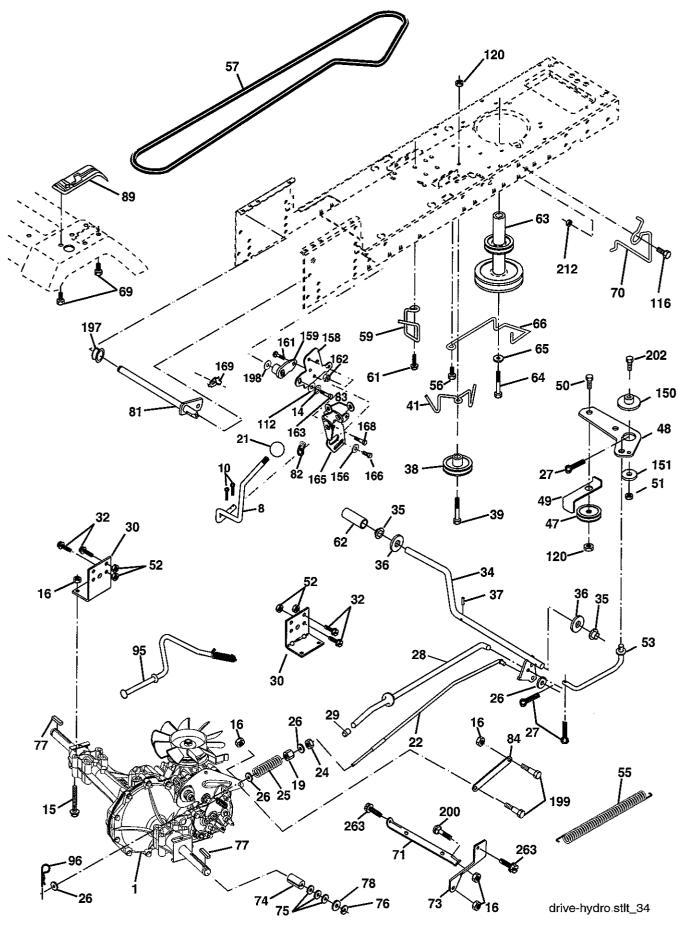
## TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 CHASSIS AND ENCLOSURES

KEY	PART	
NO.	NO.	DESCRIPTION

- 1 532 17 46-19 Chassis Stamping
- 2 532 17 65-54 Drawbar
- 5 532 15 52-72 Bumper Hood/Dash
- 9 532 19 45-86 Dash
- 10 872 14 06-08 Bolt Carriage 3/8-16 x 1
- 11 532 17 49-96 Panel Dash Lh
- 13 532 17 52-55 Panel Dash Rh
- 14 817 49 06-08 Screw Thdrol 3/8-16 x 1/2
- 17 532 19 45-88 Hood
- 18 532 18 49-21 Bumper Hood
- 24 874 78 06-16 Bolt Fin Hex 3/8-16 unc x 1 Gr. 5
- 25 819 13 13-12 Washer 13/32 x 13/16 x 12 Ga.
- 26 873 80 06-00 Nut Lock Hex W/Ins 3/8-16 unc
- 28 532 18 38-28 Grille/Lens Asm. (Includes Key Nos. 212 and 258 thru 261)
  - 30 532 19 45-89 Fender
  - 31 532 13 66-19 Bracket Support Fender
  - 33 532 18 25-07 Footrest LH
  - 34 532 18 25-08 Footrest RH
  - 35 872 11 06-06 Bolt Rdhd Sht Sqnk 3/8-16 x 3/4
  - 37 817 49 05-08 Screw Thdrol 5/16-18 x 1/2 TYT
  - 38 532 17 57-10 Bracket Asm Pivot Mower Rear
  - 39 532 17 47-14 Bracket Pivot
  - 58 532 18 93-50 Air Duct Engine
  - 64 532 15 47-98 Dash Lower STLT
  - 142 532 17 57-02 Plate Reinforcement STLT
  - 145 532 15 65-24 Rod Pivot Chassis/Hood
  - 159 532 18 56-35 Cupholder
  - 206 532 17 01-65 Bolt Shoulder 5/16-18 TT
  - 207 817 67 05-08 Screw Thdrol 5/16-18 x 1/2 TYTT
- 208 817 67 06-08 Screw Thdrol 3/8-16 x 1/2 TYT BI
- 209 817 00 06-12 Screw 3/8-16 x 3/4
- 258 532 18 97-55 Lens RH
- 259 532 18 97-54 Lens LH
- 261 532 18 97-53 Insert Grille
- 263 532 18 38-33 Bezel RH
- 264 532 18 38-32 Bezel LH
- 278 532 19 16-11 Screw 10 x 3/4 Single Lead-Hex
- -- 532 19 39-35 Plug Switch Light

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

TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 DRIVE

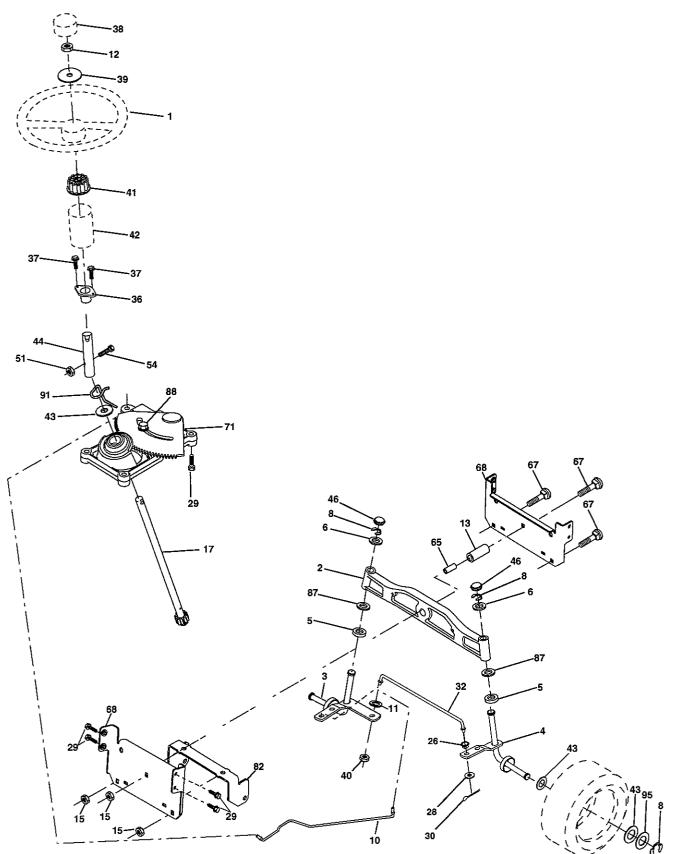


### KEY PART NO. NO.

KEY NO.	PART NO.	DESCRIPTION
1		Transaxle Hydro Gr 314-0510 (Order parts from transaxle manu-
8 10 11 15 10 11 22 22 22 22 22 22 23 23 23 23 23 23 23	$\begin{array}{c} 876 \ 02 \ 04-16\\ 810 \ 04 \ 04-00\\ 874 \ 49 \ 05-44\\ 873 \ 80 \ 05-00\\ 873 \ 80 \ 06-00\\ 532 \ 14 \ 08-45\\ 532 \ 16 \ 94-98\\ 873 \ 35 \ 06-00\\ 532 \ 10 \ 68-88\\ 819 \ 13 \ 13-16\\ 876 \ 02 \ 04-12\\ 532 \ 17 \ 57-65\\ 532 \ 07 \ 16-73\\ 532 \ 16 \ 95-92\\ 874 \ 76 \ 05-12\\ 532 \ 17 \ 57-78\\ 532 \ 12 \ 01-83\\ 819 \ 21 \ 16-16\\ 532 \ 12 \ 49-63\\ 532 \ 17 \ 91-14\\ 872 \ 11 \ 06-22\\ 532 \ 17 \ 55-56\\ 532 \ 12 \ 77-83\\ 532 \ 15 \ 44-07\\ 532 \ 12 \ 32-05\\ 872 \ 11 \ 06-12\\ 873 \ 68 \ 06-00\\ \end{array}$	(Order parts from transaxle manu- facturer) Rod Shift Fender Pin Cotter 1/8 x 1 CAD Washer Lock Hvy Helical 1/4 Bolt Hex Flg Hd 5/16-18 x Gr. 5 Nut Lock Hex W/Ins. 5/16-18 unc P Nut Lock Hex W/Wsh 3/8-16 unc Knob Rod, Brake Hydro Nut Spring, Brake Rod Washer Pin Cotter 1/8 x 3/4 CAD. Rod, Parking Brake Cap, Parking Brake Bolt Hex Hd 5/16-18 unc x 3/4 Shaft, Foot Pedal Bearing, Nylon Washer Pin, Roll Pulley, Idler, Composite Bolt Fin Hex 3/8-16 unc x 2-3/4 Keeper, Belt Idler Pulley, Idler, V-Groove Bellcrank Clutch Grnd Drv Stl Retainer, Belt Bolt Carr. 3/8-16 x 1-1/2 Gr. 5 Nut Crownlock 3/8-16
52 53 55	532 10 57-10 532 10 57-09	Spring, Return, Clutch
56 57 59 61	817 06 06-20 532 14 02-94 532 16 96-91	Screw 3/8-16 x 1-1/4 SMGML Tap/R V-Belt, Ground Drive Keeper, Center Span Screw 3/8-16 x 875
62 63 64 65	532 12 48-72 532 17 54-10	Cover, Pedal Pulley, Eng Bolt Hex 7/16-20 x 4 Ga. 5
66		Keeper Belt Engine

KEY NO.	PART NO.	DESCRIPTION	
69		2 Screw Hex wsh Hi-Lo 1/4-1/2 unc	
70		3 Guide Belt Mower Drive RH	
71 73	532 16 91-8	3 Strap Torque Lh Hydro 2 Strap Torque Rh Hydro	
73 74		7 Spacer, Axle	
75	532 12 17-4	9 Washer 25/32 x 1-1/4 x 16 Ga.	
76	812 00 00-0	1 F-Bing	
77		3 Key, Square	
78	532 12 17-4	8 Washer 25/32 x 1-5/8 x 16 Ga	
81	532 16 55-9	6 Shaft Asm. Cross Hydro	
82	532 16 57-1	1 Spring Torsion T/A	
83		6 Washer 17/32 x 3/4 x 16 Ga.	
84		4 Link Transaxle	
89 95		9 Console, Shift 1 Control Asm Bypass Hydro	
95 96	532 17 02-0	8 Retainer Spring 1" Zinc/Cad	
112	819 09 12-1	0 Washer 9/32 x 3/4 x 10 Ga	
116		8 Bolt 3/8-16 unc x 1	
120	873 90 06-0	0 Nut Lock 3/8-16 unc	
150	532 17 54-5	6 Spacer Retainer	
151		0 Washer 13/32 x 2 x 10 Ga.	
156	532 16 60-0	2 Washer Srrtd	
450	500 40 55 0	5/16 ID x 1.0 x .125 Tk	
158 159	532 16 55-8	9 Bracket Shift Mount	
161		6 Bolt Rdhd Sgnk 1/4-20 x 3/4 Gr. 5	
162		0 Nut Crownlock 1/4-20 unc	
163		6 Bolt Hex Fin 1/4-20 unc x 1 Gr. 5	
165		3 Bracket Pivot Lever	
166		0 Screw 5/16-18 x 5/8 TT Yellow	
168		2 Bolt Shoulder 5/16-18 x .561 TT	
169	532 16 55-8	0 Plate Fastening Cross Shf. STLT/CRD	
197	532 16 96-1	3 Nyliner Snap-In 5/8" ID	
198		3 Washer Nyl 7/8 ID x .105 HYD CRD	
199		2 Bolt Shoulder 5/16-18 unc	
200		8 Bolt Rdhd Sqnk 5/16-18 unc x 1	
202		4 Bolt 3/8-16 x 1-3/4 Gr. 5	
212 263		2 Nut Hexflange Lock 2 Screw 3/8-16 x 75	
200	017 00 00-1	2 JUIEW 0/010 X 470	
NOTE	<b>NOTE:</b> All component dimensions given in U.S. inches 1 inch = 25.4 mm		

# TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 STEERING ASSEMBLY

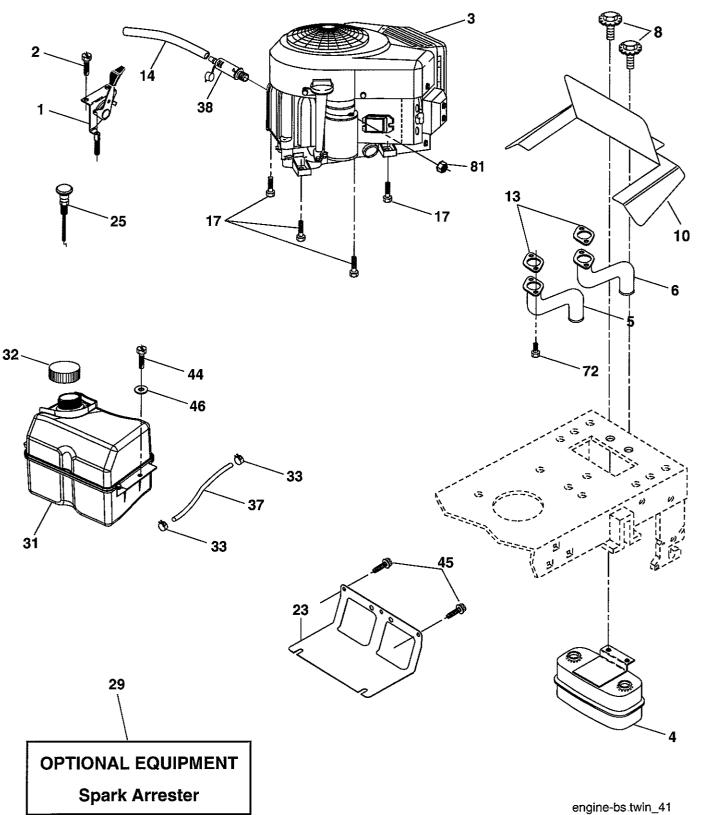


steering\_pl.lt\_47

KEY PART NO. NO. DESCRIPTION	
1 532 19 45-95 Wheel Steering	
2 532 18 47-06 Axle	
3 532 16 98-40 Spindle Asm LH	
4 532 16 98-39 Spindle Asm RH	
5 532 12 49-31 Bearing Race Thrust Harden	
6 532 12 17-48 Washer 25/32 x 1-5/8 x 16 Ga.	
8 812 00 00-29 Ring Klip #t5304-75	
10 532 17 51-21 Link Drag	
11 810 04 06-00 Washer Lock Hvy Hicl Spr 3/8	
12 873 94 08-00 Nut Hex Jam Toplock 1/2-20 unf	
13 532 13 65-18 Spacer Brg Axle Front	
15 532 14 52-12 Nut Hex Flange Lock	
17 532 18 06-41 Shaft Asm Strg	
26 532 12 68-47 Bushing Link Drag	
28 819 13 14-16 Washer 13/32 x 7/8 x 16 Ga.	
29 817 00 06-12 Screw 3/8-16 x 3/4	
30 876 02 04-12 Pin Cotter 1/8 x 3/4	
32 532 19 27-57 Rod Tie	
36 532 15 50-99 Bushing Strg	
37 532 15 29-27 Screw	
38 532 19 46-03 Insert Cap Strg Wh	_
39 819 18 38-12 Washer 9/16 ID x 2-3/8 OD x 12	Ga.
40 873 54 06-00 Nut Crownlock 3/8-24	
41 532 18 67-37 Adaptor Wheel Strg	
42 532 16 96-33 Boot Steering Shaft	
43 532 12 17-49 Washer 25/32 x 1 1/4 x 16 Ga.	
44 532 18 06-40 Extension Steering Shaft	
46 532 12 12-32 Cap Spindle Fr Top Blk 51 873 54 04-00 Nut Crownlock 1/4-28	
54 871 13 04-20 Bolt Hex 1/4-28 unf x 1-1/4 Gr. 8	
65 532 16 03-67 Spacer Brace Axle	
67 872 11 06-18 Bolt Rdhd Sq 3/8-16 x 2-1/4	
68 532 16 98-27 Axle, Brace	
71 532 17 51-46 Steering Asm	
82 532 16 98-35 Bracket Susp Chassis Front	
87 532 17 39-66 Washer Flat .781 x 1-1/2 x .14	
88 532 17 51-18 Bolt Shoulder 7/16-20	
91 532 17 55-53 Clip Steering	
95 532 18 89-67 Washer Hardened	

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

TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 ENGINE



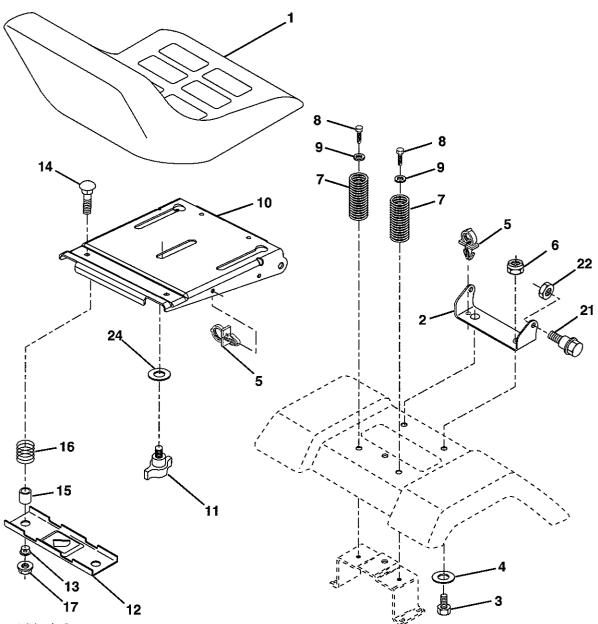
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TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 ENGINE

	PART No.	DESCRIPTION
1		Control Throttle/Choke
2 3	817 72 04-08	Screw Hex Thd Cut 1/4-20 x 1/2
3		Engine Briggs Model No. 406577
	500 44 07 00	(Order Parts From Engine Manufacturer)
4	532 14 97-23	
4 5 6		Exhaust Tube LH
ю 8		Exhaust Tube RH Bolt 5/16-18 unc x 3/4 w/Sems
0 10		Shield Browning
13	532 16 53-91	
14		Tube Drain Oil Easy
17		Screw 3/8-16 x 1-1/2
23		Shield Browning/Debris Guard
25		Control Choke
29		Kit Spark Arrestor (Flat Scrn)
31	532 18 55-34	
32		Cap Asm Fuel
33		Clamp Hose Black
37	532 13 70-40	
38	532 18 16-54	Plug Drain Oil Easy
44	817 67 04-12	Screw Hexwsh Thdrol 1/4-20 x 3/4
45		Screw Hex Wsh Thdr 3/8-16 x 3/4
46		Washer 9/32 x 7/8 x 16 Ga.
72		Screw Socket Head 5/16-18 x 1
81	873 51 04-00	Nut Keps Hex 1/4-20 Starter Nut

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

TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 SEAT ASSEMBLY



seat\_lt knob\_9

### KEY PART

#### DESCRIPTION NO. NO.

- 532 18 87-05 Seat 1
- 532 18 01-66 Bracket Pivot Seat 2
- З 871 11 06-16 Bolt Fin Hex 3/8-16 unc x 1
- 4 819 13 16-10 Washer 13/32 x 1 x 10 Ga.
- 5 532 14 50-06 Clip Push-In
- 6 873 80 06-00 Nut Hex w/Ins. 3/8-16 unc
- 532 12 41-81 Spring Seat Cprsn 2 250 Blk Zi 817 00 06-16 Screw 3/8-16 x 1-1/2 7
- 8
- Smgml Tap/RZ 819 13 16-14 Washer 13/32 x 1 x 14 Ga. 9
- 532 18 01-86 Pan Seat 10
- 532 16 63-69 Knob Seat Adj. Wingnut 11
- 532 12 12-46 Bracket Mounting Switch 12

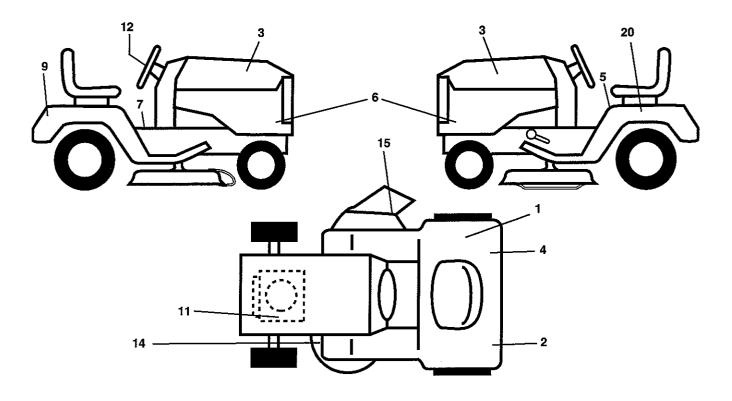
NO.

### DESCRIPTION NO.

- 532 12 12-48 Bushing Snap Blk Nyl 50 ld 13
- 872 05 04-12 Bolt Rohd Sqnk 1/4-2 x 1-1/2 14
- 532 13 43-00 Spacer Split 28 x 96 Yel Zinc 15
- 16
- 532 12 12-50 Spring Cprsn 1 27 Blk Pnt 532 12 39-76 Nut Lock 1/4 Lge Flg Gr. 5 Zinc 17
- 532 17 18-52 Bolt Shoulder 21
  - 5/16-18 unc-2a Blk DA
- 873 80 05-00 Nut Hex Lock W/Ins 5/16-18 22
- 819 17 19-12 Washer 17/32 x 13/16 x 12 Ga. 24

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

## TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 DECALS



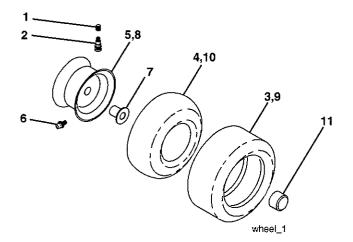
KEY NO.	PART NO.	DESCRIPTION		ey part O. No.
1	532 16 88-69	Decal Tick Mark	12	2 532 18
2	532 17 35-89	Decal LH Reflector	14	4 532 16
2 3	532 19 32-03	Decal Hood	15	5 532 17
	532 17 35-87	Decal RH Reflector	20	532 14
4 5	532 15 70-02	Decal Fender Danger		532 16
6	532 19 43-99	Decal Side Panel		· 532 13
7	532 15 68-11	Decal Fender Operator		532 18
9	532 19 43-96	Decal Fender		· 532 18
11	532 18 95-25	Decal Engine		· 532 19 ·
		-		

12	532 18 57-33 Decal Wheel Steering
14	532 16 03-96 Decal V-Belt Schematic
15	532 17 91-28 Decal Deck "B" 42"
20	532 14 50-05 Decal Bat Dan/Psn
	532 16 69-60 Decal By-Pass
	532 13 83-11 Decal Handle Lft Height Adjust
	532 18 10-91 Pad Footrest LH STLT
	532 18 10-90 Pad Footrest RH STLT

DESCRIPTION

42-98 Manual Owner's English

WHEELS & TIRES

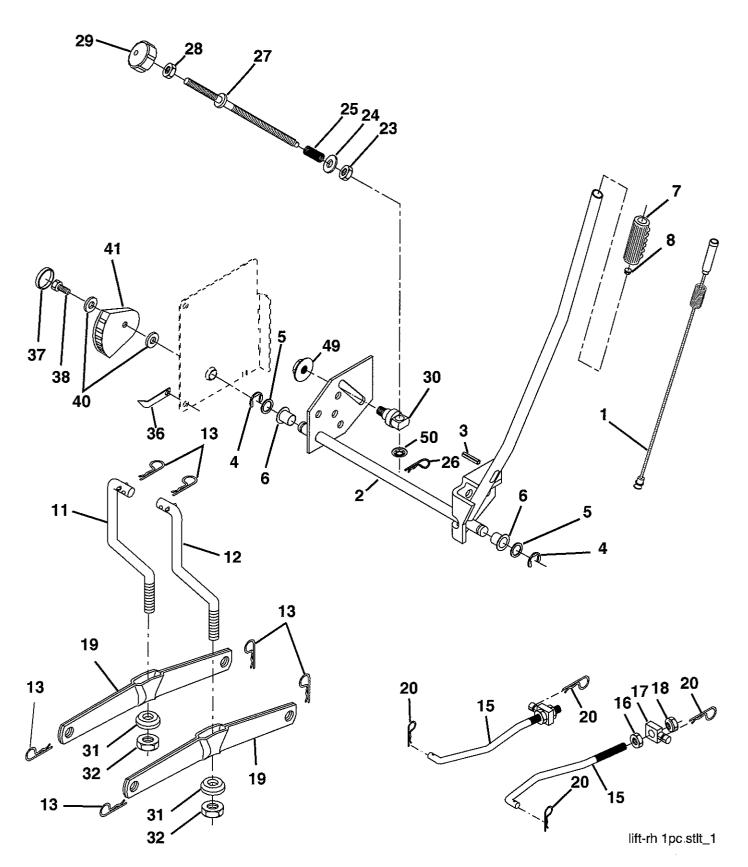


### KEY PART NO. NO. DESCRIPTION

- 532 05 91-92 Cap Valve Tire 1
- 2
- 3
- 4
- 5
- 6
- 532 05 91-92 Cap Valve Fire 532 06 51-39 Stem Valve 532 10 62-22 Tire F Ts 15 x 6.0 6 Service 532 05 99-04 Tube Front (Service Item Only) 532 12 51-21 Rim Asm 6" front Service 532 12 49-57 Fitting Grease (Front Wheel Only) 532 12 49-59 Bearing Flange (Front Wheel Only) 532 12 51-22 Rim Asm 8" rear Service 532 13 84-68 Tire R Ts 20 x 8-8 C Service 532 12 49-26 Tube Rear (Service Item Only) 532 19 32-68 Cap Axle 7
- 8
- 9
- 10
- 532 19 32-68 Cap Axle 11
  - 532 14 43-34 Sealant, Tire (10 oz. Tube)

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

TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 MOWER LIFT

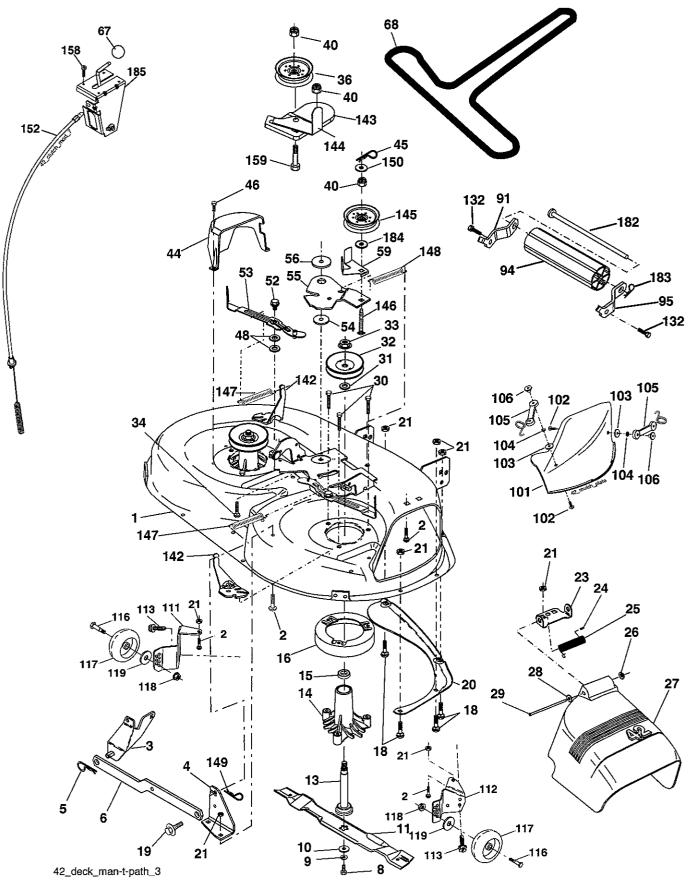


TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 MOWER LIFT

KEY No.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7		Wire Asm Inner W/plunger Shaft Asm Lift
3	532 18 88-22	
4		E Ring #5133-62
5	819 21 16-21	Washer 21/32 x 1 x 21 Ga
6	532 12 01-83	Bearing Nylon Blk 629 ld
	532 12 56-31	Grip Handle
8	532 17 07-70	Button Plunger
11	532 13 98-65	
12 13	532 13 98-66	Retainer Spring
15	532 12 40-70	Link Front
16	873 35 08-00	Nut Jam Hex 1/2-13 unc
17		Trunnion Blk Zinc
18		Nut Lock W/wsh 1/2-13 unc
19		Arm Suspension Rear
20		Retainer Spring
23	532 11 08-07	Nut Special
24		Washer 13/32 x 5/8 x 16 Ga.
25 26	532 12 48-74	Spring 2-1/8" Retainer Clip
27	532 12 69-71	Rod Adi Lift
28	873 35 06-00	Nut Hex Jam 3/8-16 unc
29	532 13 80-57	Knob Inf. 3/8-16 unc
30	532 15 02-33	Trunnion Infin. Height
31	532 16 98-65	Trunnion Infin. Height Bearing pvt. Lift
32	873 54 06-00	Nut Crownlock 3/8-24
36	532 15 50-97	Pointer Height Ind.
37 38	532 12 39-35	Screw 5/16-18 x 1
30 40	819 11 24-10	Washer 11/32 x 1-1/2 10 Ga.
41		Indicator Height
49		Nut Hexflange Lock
50	532 11 04-52	Nut Push Phos & oil

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

TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 MOWER DECK



## TRACTOR - - MODEL NO. MC20H42ST (MC20H42STA), PRODUCT NO. 964 77 33-03 MOWER DECK

KEY NO.	PART NO.	DESCRIPTION	
1		Deck Asm MWR 42"weldment	9
2 3	872 14 05-06	Bolt Rdhd Sqnk 5/16-18 unc x 3/4 Bracket Asm Fr Sway Bar 38/42	
4	532 16 54-60	Bracket Asm Deck 42"sway Bar	-
5	532 12 46-70	Retainer Spring	-
6 8	532 17 80-24	Bar Sway Deck Bolt 3/8 - 24 x 1.25 Gr. 8	
9		Washer Lock Hvy 3/8	-
10	532 14 02-96	Washer Hard Blade Mower Vented	-
11		Blade Mower 42"	-
13 14	532 13 76-45	Shaft Asm W/lower Bearing Housing Mandrel Vented	
15	532 12 07-74	Bearing Ball Mandrel	-
16	532 17 44-93	Stripper Mower Vented	1
18		Bolt Rdhd Sqnk 5/16-18 x 5/8	1
19 20		Bolt Shoulder Baffle Vortex 42	1
21		Nut Crownlock 5/16-18 unc	-
23	532 17 75-63	Bracket Deflector Mower 42"	1
24		Cap Sleeve 80x 112 Blk Mower	1
25 26		Spring Torsion Deflector 2 52 Nut Push Phos & Oil	1
27		Shield Deflector Mower 42" Blk	1
28	819 11 10-16	Washer 11/32 x 5/8 x 16 Ga.	1
29		Rod Hinge 42"6 75 Wlg	1
30 31		Screw Thd Rolling Washer Head Washer Spacer	1
32		Pulley Mandrel	1
33	532 17 83-42	Nut 9/16 Toplock Fing Oil Dip	1
34		Bolt Rdhd 3/8-16 unc x 1-1/2 Gr. 5	1
36 40	873 90 06-00	Pulley Idler Flat Nut Lock Flg 3/8-16 unc	1
44	532 14 00-88	Guard Mandrel LH Black	-
45	532 12 47-88	Spring Retainer 1" Zinc/cad	
46		Screw Hex Thd Cut 1/4-20 x 5/8 T	
48 52		Washer Hardened Smaller Bolt Shoulder 5/16-18 unc Blkz	-
53		Arm Asm Pad Brake	
54		Washer Hardened	
55 56		Arm Idler 42"mower LT/YT	
56 59		Spacer Retainer Mower Guard TUV Idler	
67	532 17 15-98	Knob	
68	532 14 49-59	V-Belt Mower 42"	N
91	532 18 05-32	Bracket Roller Nose LH	

KEY NO.	PART NO.	DESCRIPTION
94 95 101 102 103 104 105 106 111 112 116 117 118 142 143 144 145 152 183 184 185	532 13 22-64 532 18 05-33 532 13 64-20 871 08 10-10 819 06 12-16 810 07 10-00 532 16 07-93 532 12 50-04 532 17 92-92 532 17 92-93 817 00 05-10 532 12 48-42 532 18 86-06 873 93 06-00 819 12 14-14 817 00 06-12 532 16 58-90 532 17 34-41 532 17 34-37 532 17 34-43 532 13 13-35 532 16 90-22 532 16 58-98 819 09 12-10 532 16 35-52 819 13 14-10 532 18 82-34 532 13 07-94	Roller Nose Bracket Roller Nose RH Cover Mulching Screw 10-24 x 5/8 Washer #10 Washer Lock #10 Latch Asm
NOTE		

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