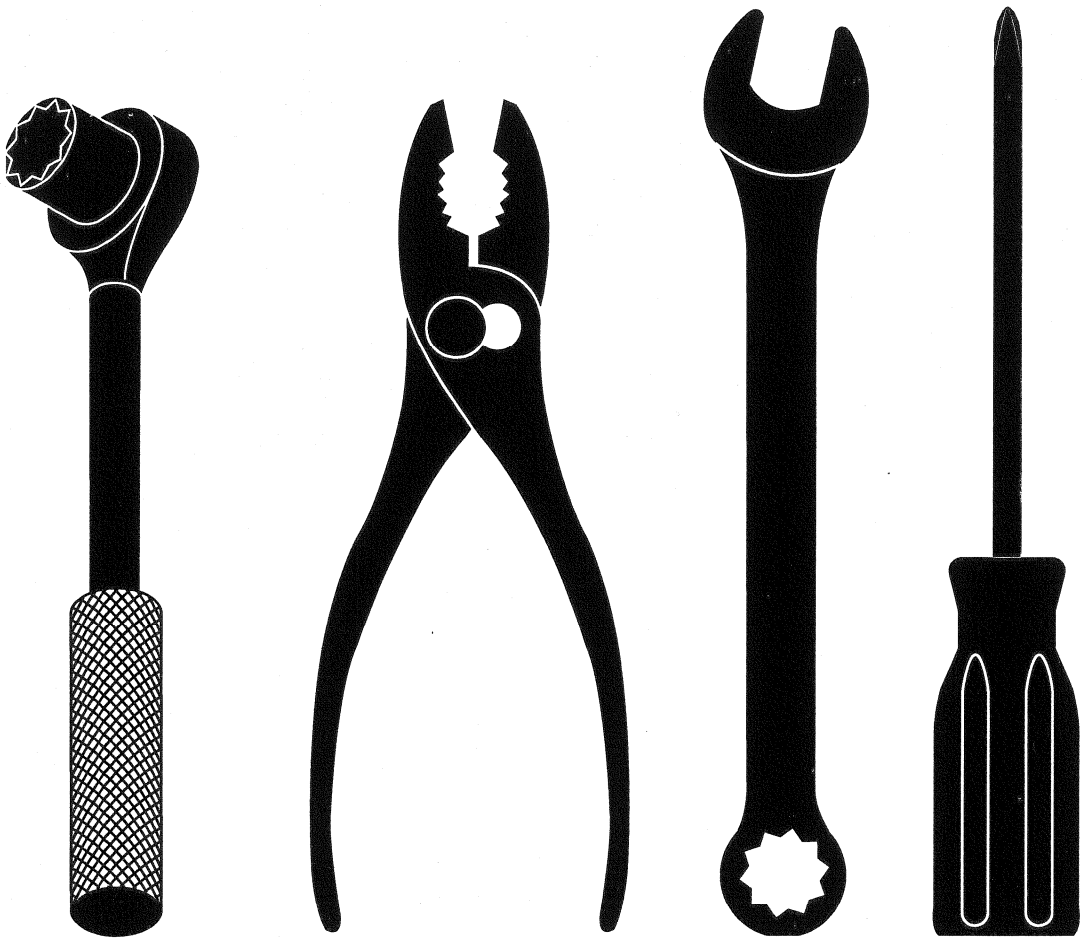


REPAIR PARTS MANUAL
MODEL NO. 277420
Lawn Tractor

CRAFTSMAN®

191048 1.12.04 RD
PRINTED IN U.S.A.

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:

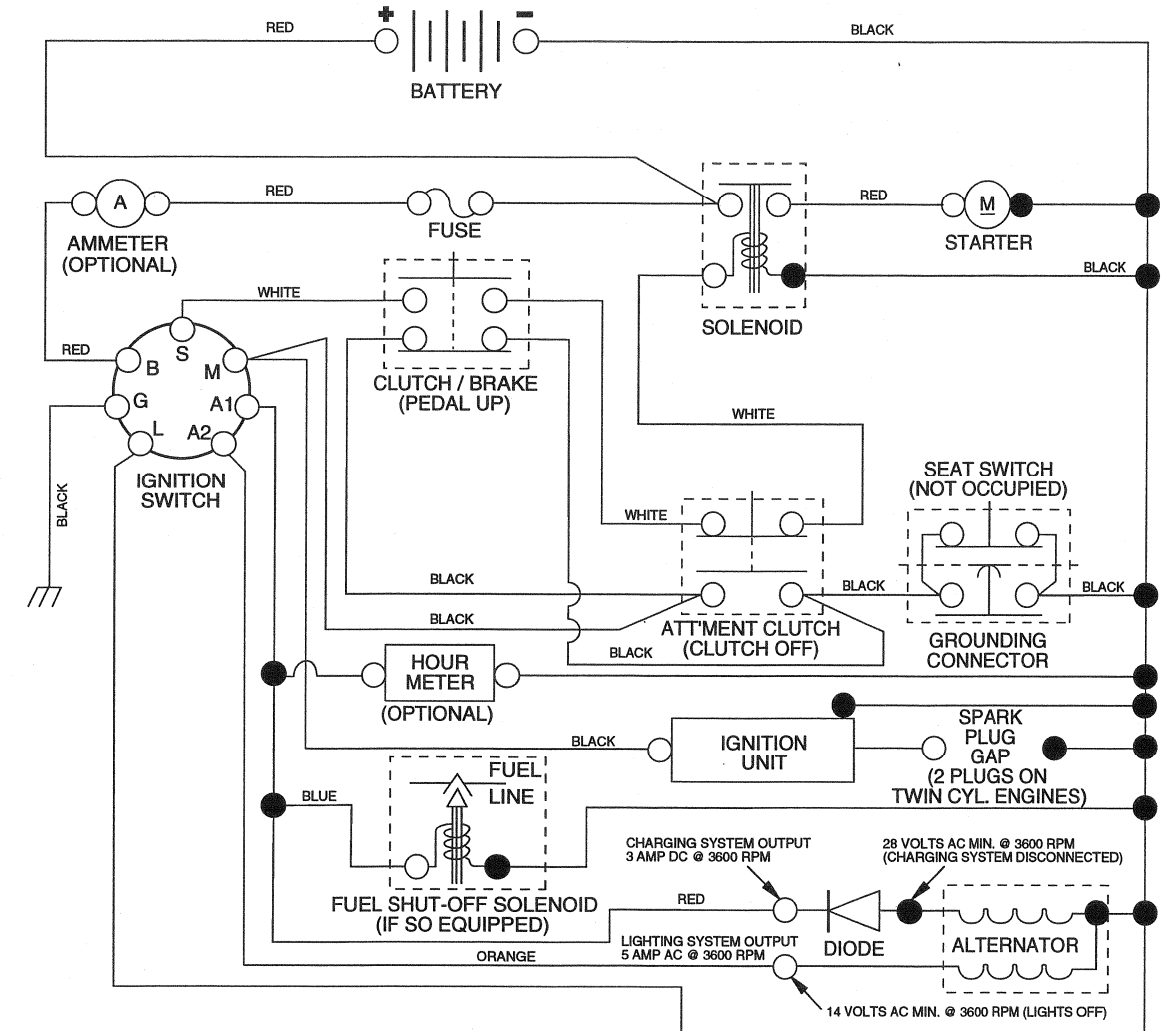
- Product - "Tractor"
- Model Number - "277420"
- Part Number
- Part Description

TABLE OF CONTENTS

SCHEMATIC 3
ELECTRICAL 4-5
CHASSIS 6-7
DRIVE 8-9
STEERING 10-11
SEAT 12
DECALS 13
ENGINE 14-15
MOWER LIFT 16-17
MOWER DECK 18-19
TRANSAXLE 20-21
ENGINE BREAKDOWN 22-27
WARRANTY 28

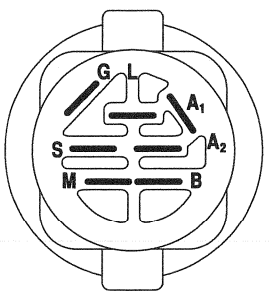
TRACTOR- -MODEL NO. 917. 277420

SCHEMATIC



NOTE

YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH ENGINE SPEED. AT IDLE THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR BRIGHTEST.



IGNITION SWITCH

POSITION	CIRCUIT	"MAKE"
OFF	M+G+A1	NONE
RUN/LIGHT	B+A1	A2+L
RUN	B+A1	NONE
START	B + S + A1	NONE

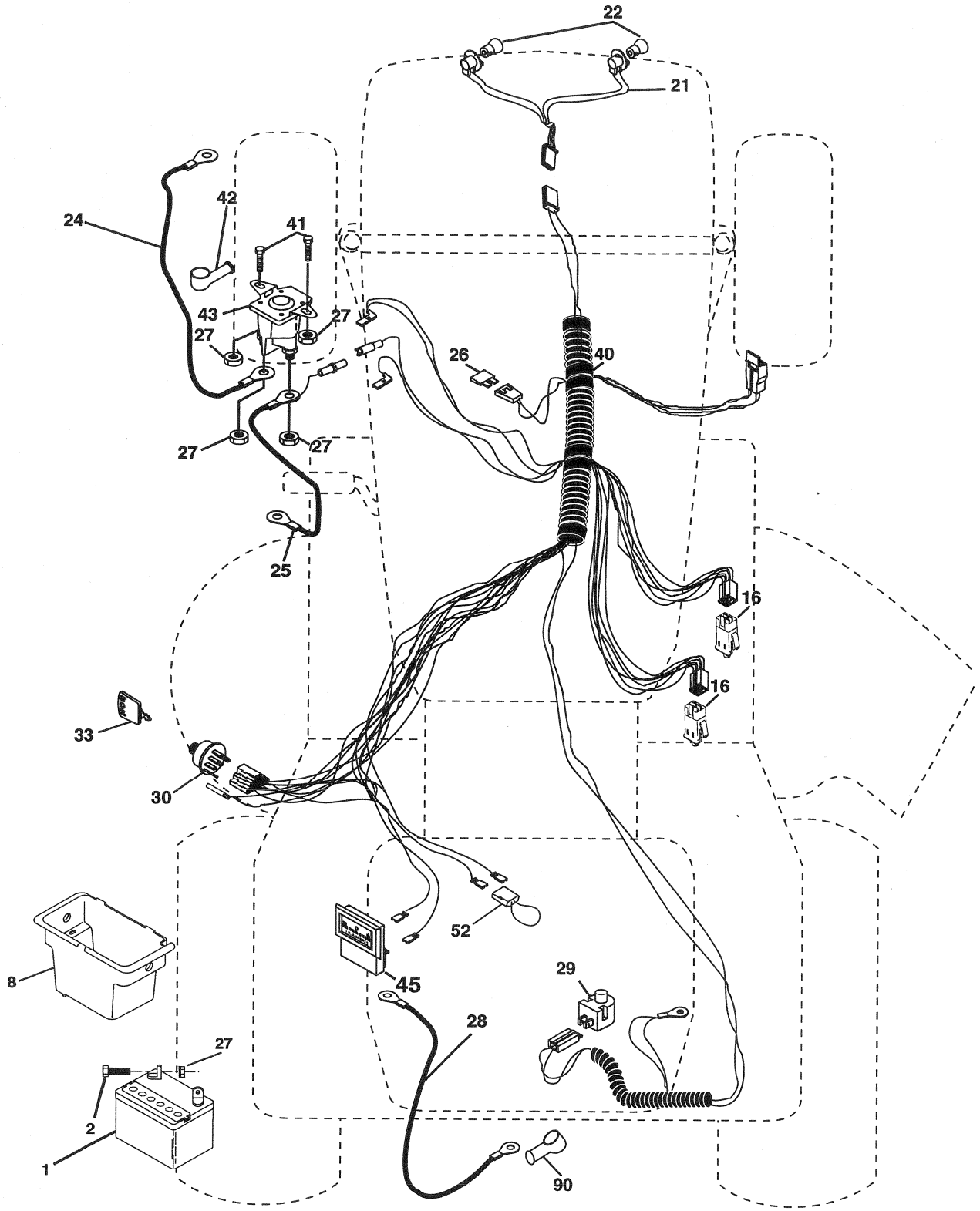
WIRING INSULATED CLIPS

NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING.

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

ELECTRICAL



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

ELECTRICAL

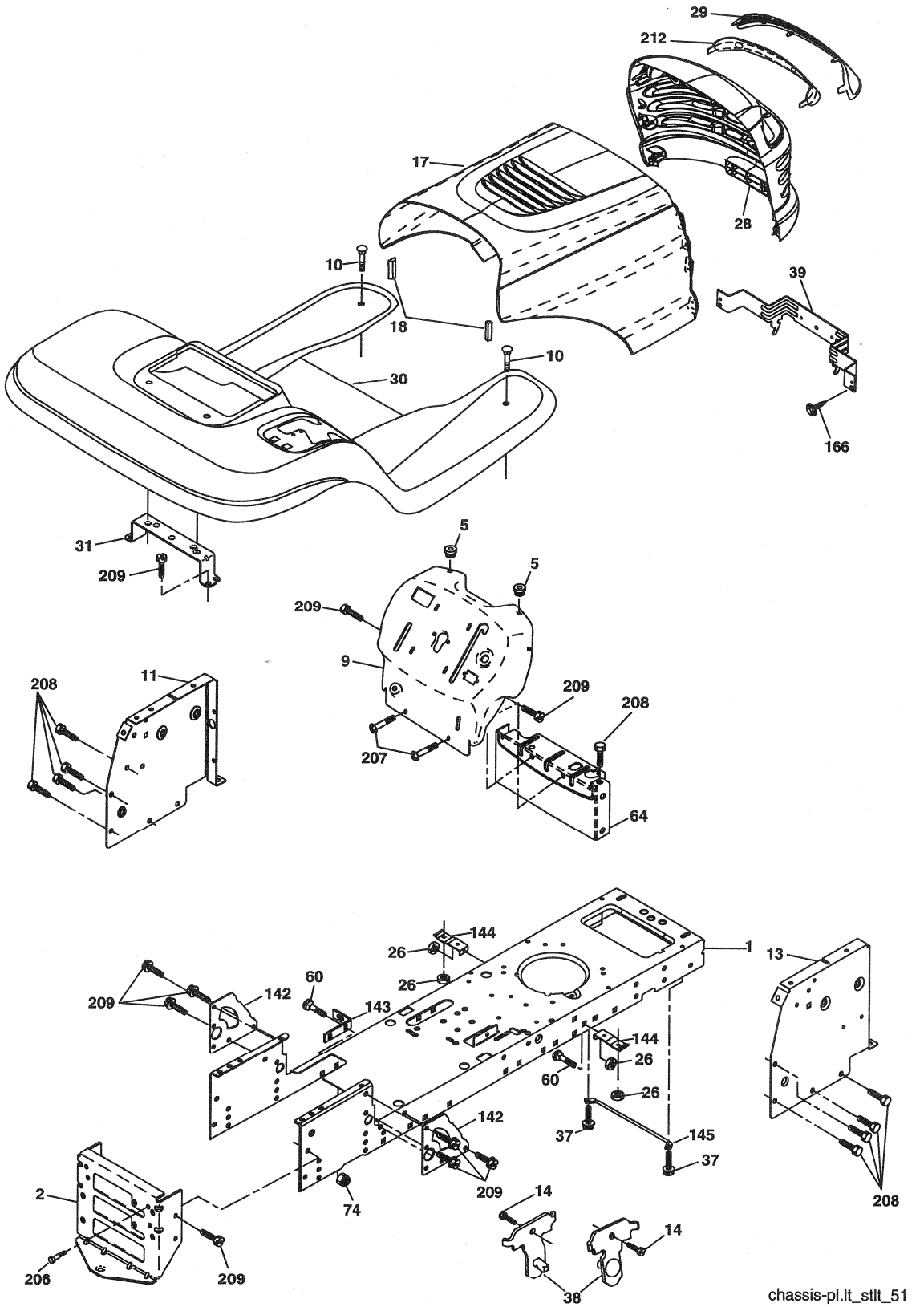
KEY NO.	PART NO.	DESCRIPTION
1	163465	Battery
2	74760412	Bolt Hex Hd 1/4-20 unc x 3/4
8	176689	Box Battery
16	176138	Switch, Interlock
21	183759	Harness Asm Light W/4152j
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga. 11" red
25	146147	Cable Battery 6 Ga. w/16 wire red
26	175158	Fuse
27	73510400	Nut Keps Hex 1/4-20 unc
28	4207J	Cable Ground 6 Ga. 12" black
29	121305X	Switch Plunger Normal NC Gray
30	175566	Switch Ign
33	140403	Key Ign
40	179720	Harness Ign
41	71110408	Bolt Blk. Fin Hex 1/4-20 unc x 1/2
42	131563	Cover Terminal Red
43	178861	Solenoid
45	121433X	Ammeter Rectangular
52	141940	Protection Wire Loop
90	180449	Cover Terminal

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

CHASSIS AND ENCLOSURES



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

CHASSIS AND ENCLOSURES

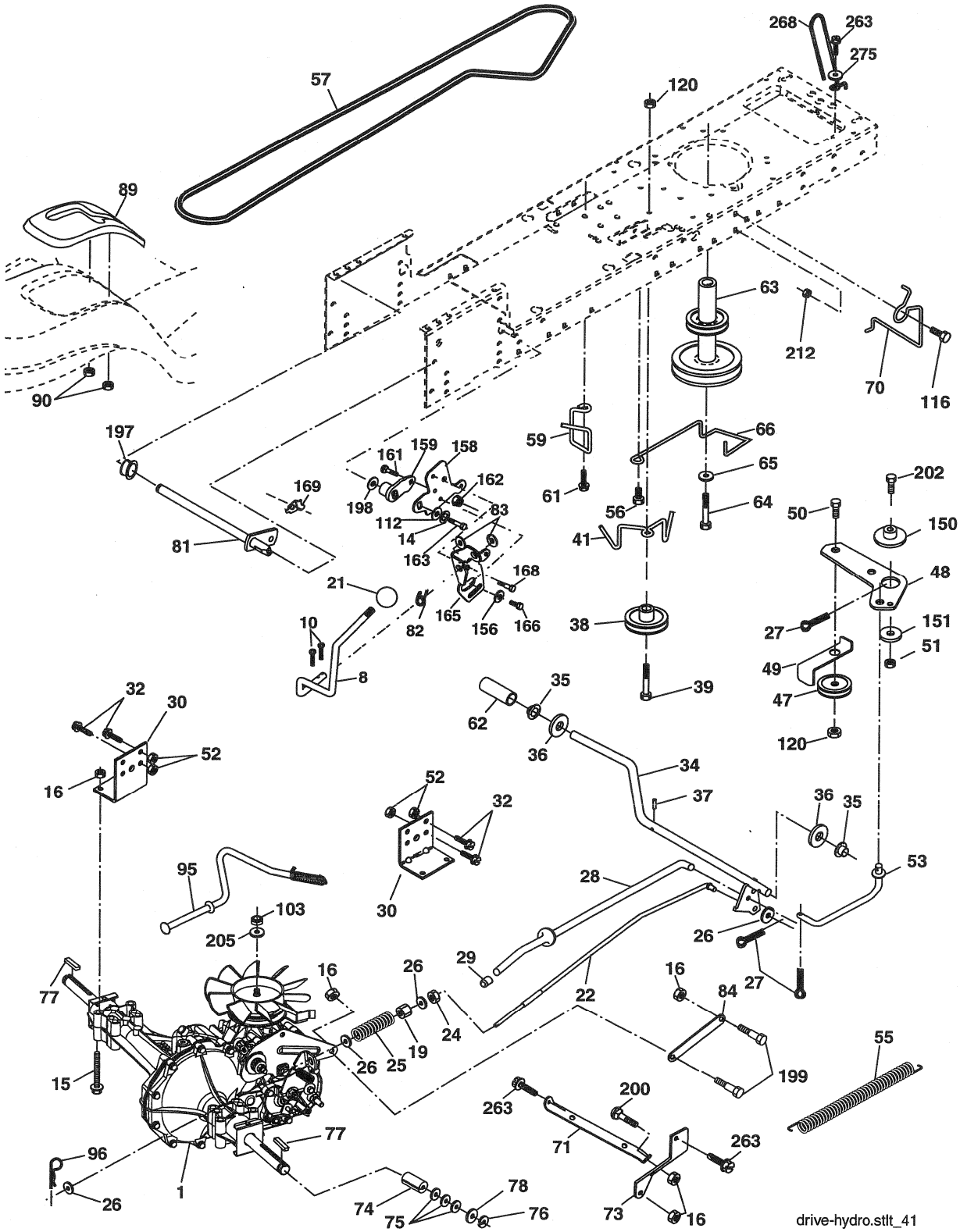
KEY NO.	PART NO.	DESCRIPTION
1	174619	Chassis
2	176554	Drawbar
5	155272	Bumper Hood/Dash
9	168337X014	Dash
10	STD533710	Bolt, Carriage 3/8-16 x 3/4
11	174996	Panel, Dash, L.H.
13	172105X010	Panel, Dash, R.H.
14	17490608	Screw Thdrol 3/8-16 x 1/2
17	185682X558	Hood Assembly
18	184921	Bumper Hood
26	STD541437	Nut
28	190380	Grille/Lens Asm(Includes #'s 29 and 212)
29	174332X599	Lens Laser
30	174738X558	Fend/Ftrest
31	139976	Bracket, Fender Support
37	17490508	Screw Thdrol 5/16-18 x 1/2
38	175710	Pivot Bracket Assembly, Rear
39	174714	Bracket Pivot Laser Lt
60	72140606	Bolt Rdhd Sqnk 3/8-16 unc x 1
64	154798	Dash Lower STLT
74	STD541437	Nut Crownlock 3/8-16 unc
142	175702	Plate Reinforcement STLT
143	186689	Bracket Swaybar Chassis
144	175582	Bracket Pnt Footrest STLT
145	156524	Rod Pivot Chassis/Hood
166	171875	Screw Hwhd Hi-Lo #13-16 x 3/4
206	170165	Bolt Shoulder 5/16-18 TT
207	17670508	Screw Thdrol 5/16-18 x 1/2 Tytt
208	17670608	Screw Thdrol 3/8-16 x 1/2
209	17000612	Screw Hexwsh Thdr 3/8-16 x 3/4
212	175143	Insert Lens Reflective
- -	5479J	Plug, Button

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

DRIVE



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

DRIVE

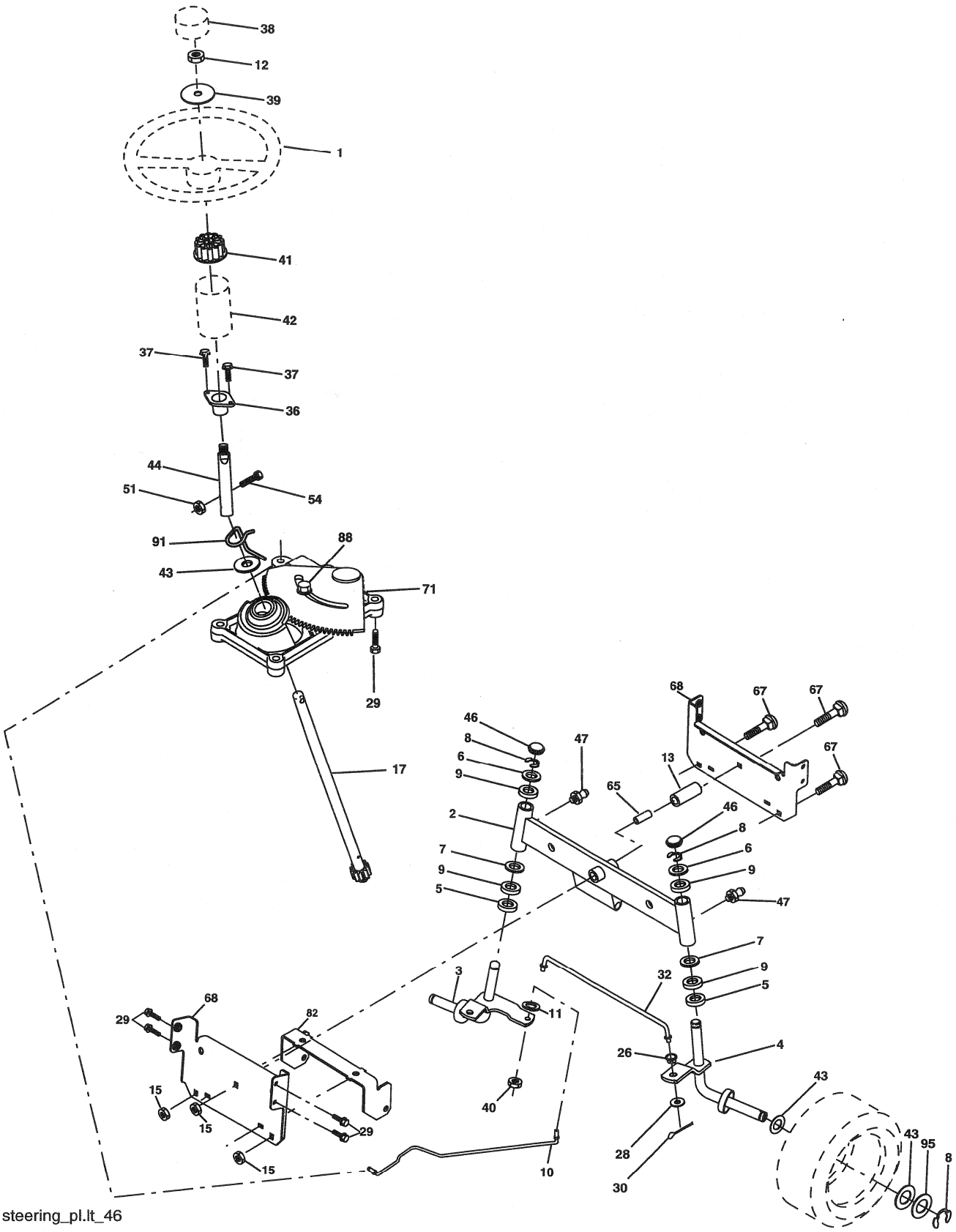
KEY NO.	PART NO.	DESCRIPTION
1	- - - - - -	Transmission (See Breakdown) Hydro Gear Model 322-0510
8	165866	Rod, Shift
10	STD561210	Pin, Cotter 1/8 x 1
14	STD551125	Washer Lock 1/4
15	74490544	Bolt Hex Flghd 5/16-18 Gr. 5
16	73800500	Nut, Lock Hex w/Ins 5/16-18 unc
19	73800600	Nut Lock Hex w/Ins 3/8-16
21	130564	Knob
22	169498	Rod, Brake
24	73350600	Nut
25	106888X	Spring, Rod, Brake
26	19131316	Washer 13/32 x 13/16 x 16 Ga.
27	STD561210	Pin, Cotter 1/8 x 3/4
28	175765	Rod, Parking Brake
29	71673	Cap, Parking Brake
30	174973	Bracket, Transmission
32	74760512	Bolt Hex 5/16-18 unc x 3/4
34	175578	Shaft, Foot Pedal
35	120183X	Bearing, Nylon
36	19211616	Washer
37	1572H	Pin, Roll
38	179114	Pulley, Composite
39	74760648	Bolt
41	175556	Keeper, Belt, Idler
47	127783	Pulley, Idler, V-Belt
48	154407	Bellcrank Clutch Grnd Drustl
49	123205X	Retainer, Belt
50	72110612	Bolt Carr. Sh 3/8-16 x 1-1/2 Gr. 5
51	STD541437	Nut
52	STD541431	Nut Crownlock 5/16-18
53	105710X	Link, Clutch
55	105709X	Spring, Return, Clutch
56	17060620	Screw 3/8-16 x 1-1/4
57	140294	V-Belt, Drive
59	169691	Keeper, Belt, Center
61	17120614	Screw 3/8-16 x .875
62	8883R	Cover, Pedal
63	180219	Pulley, Engine
64	173937	Bolt Hex 7/16 x 4 Gr. 5
65	10040700	Washer
66	154778	Keeper, Belt Engine Hydro
70	180218	Guide, Belt, Mower Drive RH
71	169183	Strap, Torque, Lh
73	169182	Strap, Torque, Rh
74	137057	Spacer, Axle
75	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
76	12000001	Ring, E
77	123583X	Key, Square
78	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
81	165596	Shaft Asm Cross
82	165711	Spring, Torsion
83	19171216	Washer 17/32 x 3/4 x 16 Ga.
84	169843	Link Transaxle
89	164890X428	Console, Shift
90	124346X	Nut Self-Thd Wshd 1/4
95	170201	Control Asm Bypass Hydro
96	STD624003	Spring, Retainer 1"
103	73940800	Nut Hex Jam Toplock 1/2-20 unf
116	72140608	Bolt Rdhd Sq Neck 3/8-16 x 1
120	73900600	Nut Lock Flg 3/8-16
150	175456	Spacer Retainer
151	19133210	Washer 13/32 x 2 x 10
156	166002	Washer 5/16 x 1.0 x 1.25
158	165589	Bracket Shift Mount
159	183900	Hub Shift
161	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr. 5
162	73680400	Nut Crownlock 1/4-20 unc
163	74780416	Bolt Hex Fin 1/4-20 x 1
165	165623	Bracket Pivot Lever
166	17490510	Screw 5/16 x 18 x 5/8
168	165492	Bolt Shoulder 5/16-18 x .561
169	165580	Plate Fastener Cross Shaft
197	169613	Nyliner Snap-In
198	169593	Washer Nyliner
199	169612	Bolt Shoulder 5/16-18 unc
200	72140508	Bolt RdHd Sqnk 5/16-18 unc x 1
202	72110614	Bolt Carr. Sh 3/8-16 x 1-3/4 Gr. 5
205	19171616	Washer 17/32 x 1 x 16 Ga.
212	145212	Nut Hex Flange Lock
263	17000612	Screw 3/8-16 x 3/4
268	182402	Guard Muffler
271	17000612	Screw 3/8-16 x 3/4
275	19131614	Washer 13/32 x 1 x 14 Ga.

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

STEERING ASSEMBLY



steering_pl.lt_46

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

STEERING ASSEMBLY

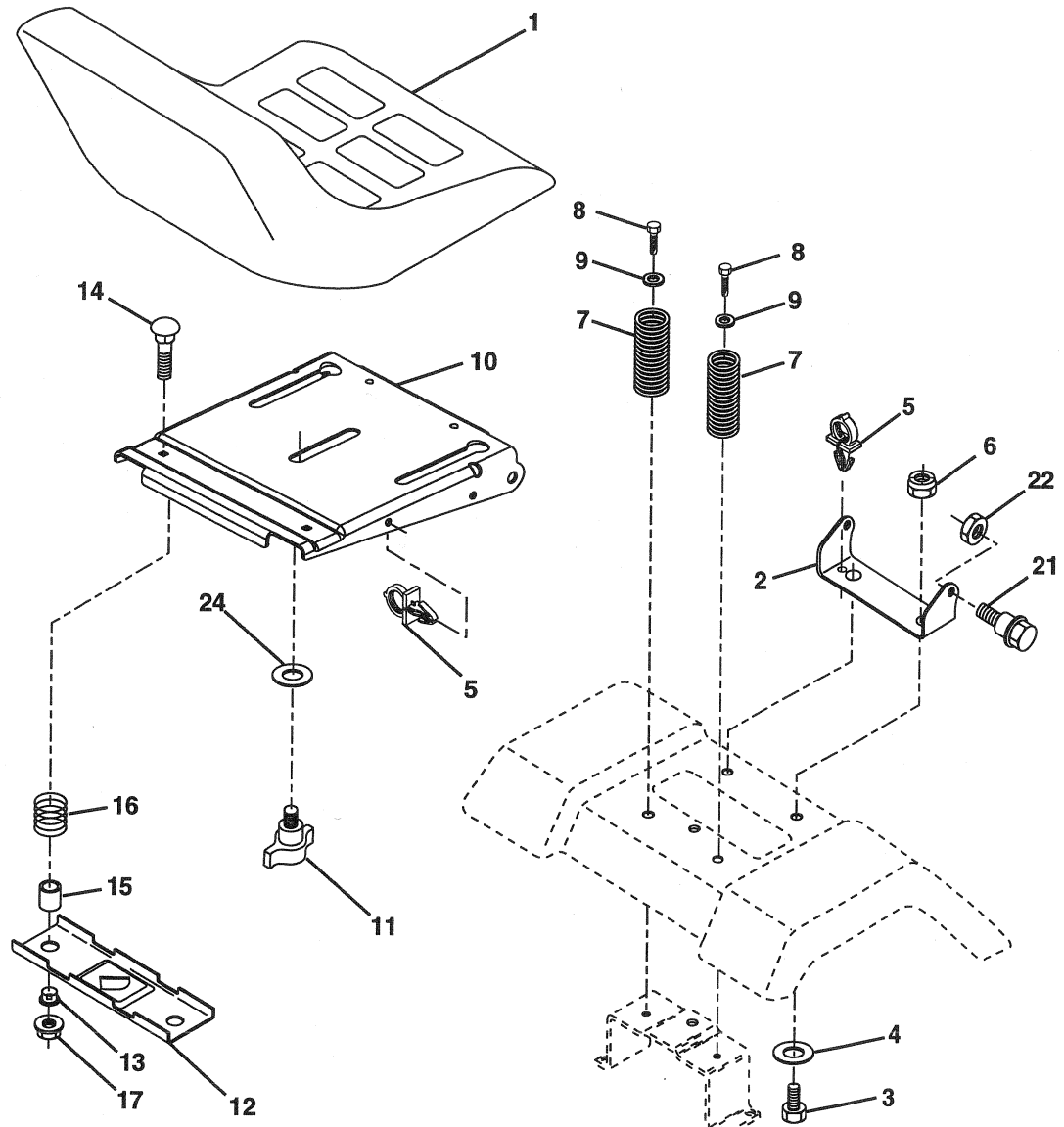
KEY NO.	PART NO.	DESCRIPTION
1	139768	Steering Wheel
2	175131	Axle Assembly
3	169840	Spindle Assembly, L.H.
4	169839	Spindle Assembly, R.H.
5	6266H	Bearing, Race, Thrust, Hardened
6	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
7	19272016	Washer 27/32 x 1-1/4 x 16 Ga.
8	12000029	Ring, Klip
9	3366R	Bearing Col. Steering
10	175121	Draglink
11	STD551137	Washer, Lock
12	73940800	Nut Hex Jam Toplock 1/2-20 unf
13	136518	Spacer Bearing Axle Front
15	145212	Nut, Hex Flange Lock
17	180641	Shaft Assembly, Steering
26	126847X	Bushing, Link, Drag
28	19131416	Washer 13/32 x 7/8 x 16 Ga.
29	17000612	Screw 3/8-16 x 3/4
30	STD561210	Pin Cotter
32	130465	Rod, Tie
36	155099	Bushing, Steering
37	152927	Screw
38	139769	Insert, Steering Wheel
39	19183812	Washer 9/16 x 2-3/8 12 Ga.
40	73540600	Nut Crownlock 3/8-24
41	186737	Adaptor, Steering Wheel
42	145054X428	Boot, Steering Shaft
43	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
44	180640	Extension Shaft Steering LR.LT
46	121232X	Cap, Spindle
51	73540400	Nut Crownlock 1/4-28
54	71130420	Bolt Hex 1/4-28 unf x 1-1/4 Gr. 8
65	160367	Spacer Brace Axle
67	72110618	Bolt RDHD Sqnk 3/8-16 x 2-1/4
68	169827	Axle, Brace
71	175146	Steering Asm.
82	169835	Bracket Susp. Chassis Front
88	175118	Bolt Shoulder 7/16-20 unc
91	175553	Clip Steering
95	188967	Washer Hardened

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

SEAT ASSEMBLY



seat_lt.knob_9

KEY NO.	PART NO.	DESCRIPTION
1	188716	Seat
2	180166	Bracket Pivot Seat
3	71110616	Bolt Fin Hex 3/8-16 unc x 1
4	19131610	Washer 13/32 x 3/4 x 10 Ga.
5	145006	Clip Push In Hinged
6	STD541437	Nut Hex Lock w/Ins 3/8-16 unc
7	124181X	Spring Seat Cprsn 2 250 Blk Zi
8	17000616	Screw 3/8-16 x 1
9	19131614	Washer 13/32 x 1 x 14 Ga.
10	180186	Pan Seat
11	166369	Knob Seat Adj Wingnut
12	121246X	Bracket Pnt Mounting Switch

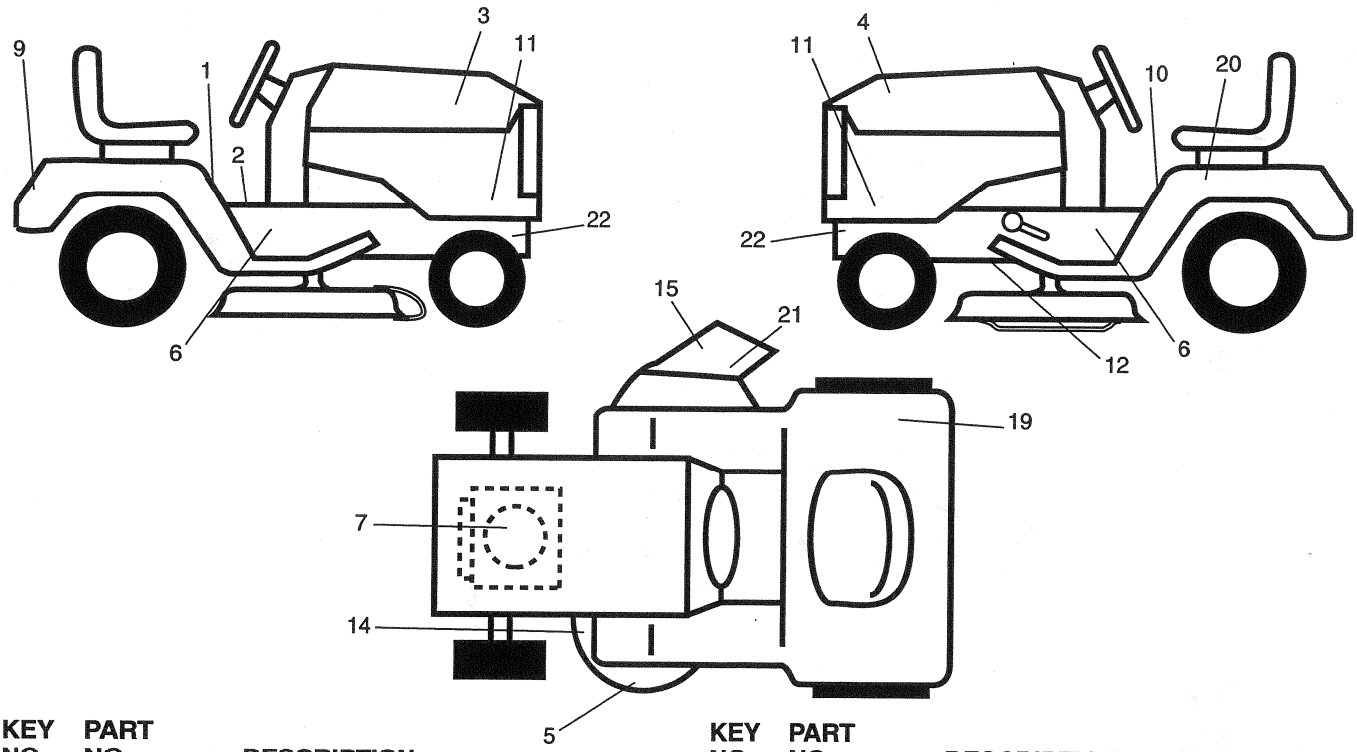
KEY NO.	PART NO.	DESCRIPTION
13	121248X	Bushing Snap Blk Nyl 50 Id
14	72050412	Bolt Rdhd Sht Nk 1/4-20 x 1-1/2
15	134300	Spacer Split 28 x 96 Zinc
16	121250X	Spring Cprsn 1 27 Blk Pnt
17	123976X	Nut Lock 1/4 Lge Flg Gr. 5 Zinc
21	171852	Bolt Shoulder 5/16-18 unc-2A
22	STD541431	Nut Hex Lock w/Ins 5/16-18
24	19171912	Washer 17/32 x 1-3/16 x 12 Ga.

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

REPAIR PARTS

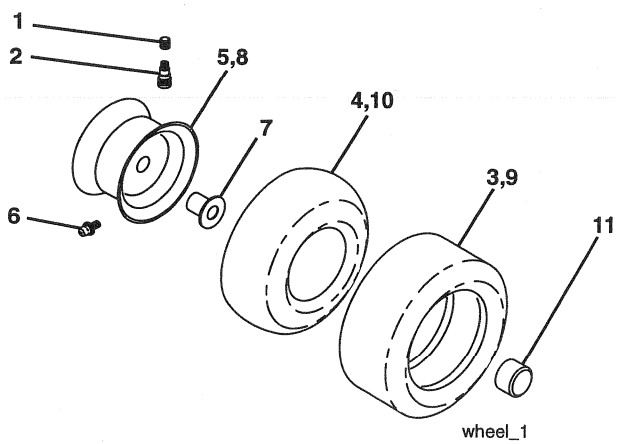
TRACTOR- -MODEL NO. 917. 277420

DECALS



KEY NO.	PART NO.	DESCRIPTION
1	140837	Decal, Brake Parking Saddle
2	145498	Decal, Read Owners Manual
3	184728	Decal, Hood, R.H.
4	184729	Decal, Hood, L.H.
5	172331	Decal, Deck Hvy Duty
6	186787	Decal, Chassis
7	186377	Decal, HP Engine
9	184899	Decal, Fender, Craftsman
10	159737	Decal, Brake Clutch
11	184730	Decal, Panel Side
12	146046	Decal, V-Belt Drive Schematic
13	189276	Decal, Dash Panel
14	160396	Decal, V-Belt Schematic
15	179128	Decal, Deck B 42"
19	180432	Decal, DBA
20	145005	Decal Battery Dngr
21	182166	Decal, Cutfinger
22	159736	Decal, Hot Muffler
- -	138311	Decal, Lift Handle
- -	166960	Decal, By pass
- -	162598	Decal, Draw Bar Load Limit
- -	184310X428	Pad, Footrest LH STLT
- -	184311X428	Pad, Footrest RH STLT
- -	191046	Manual , Operator's (Euro)
- -	191047	Manual , Operator's (Scand)
- -	191048	Manual Parts

WHEELS & TIRES



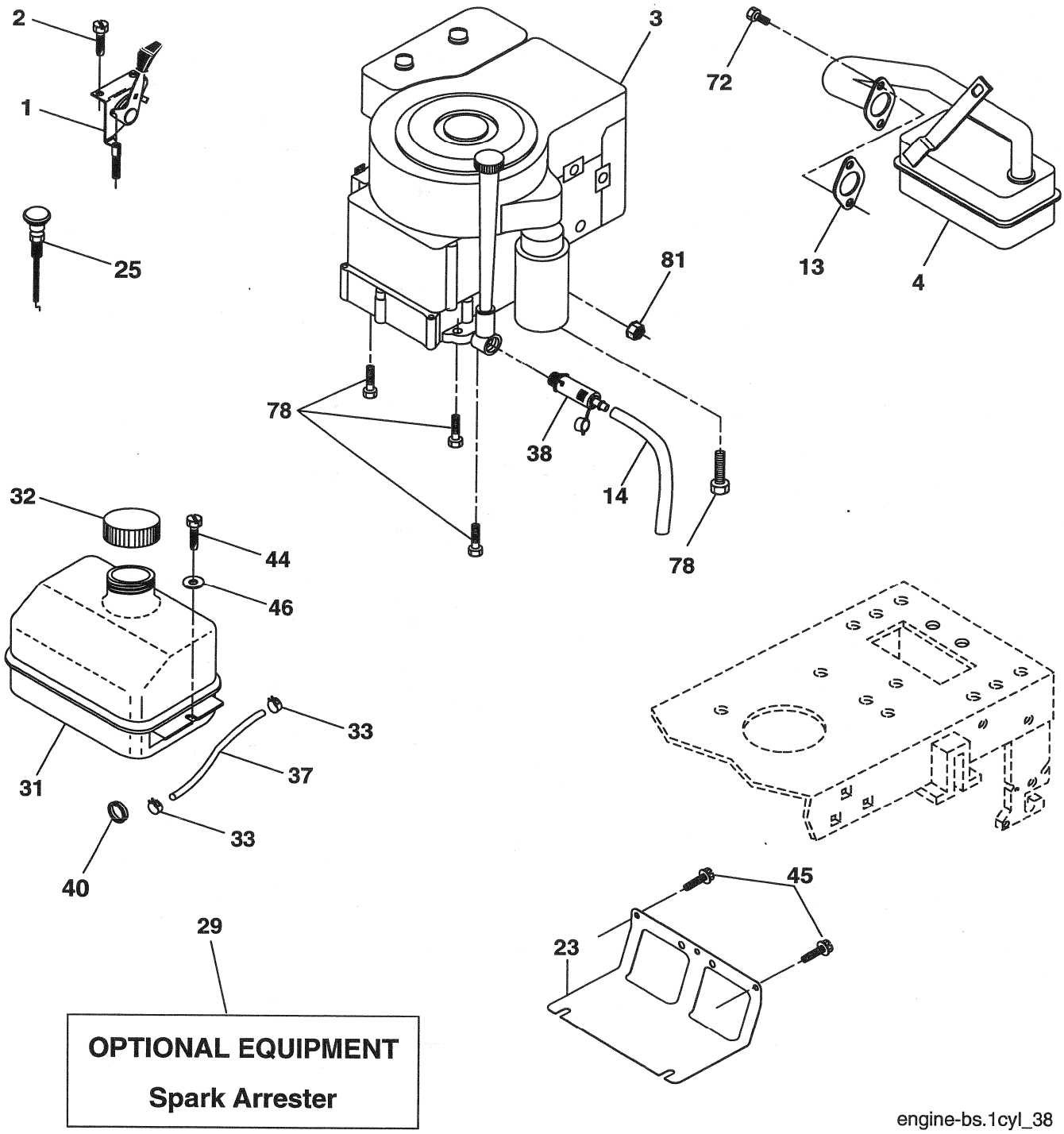
KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap Value Tire
2	65139	Stem Value
3	106222X	Tire F Ts 15 x 6 0 - 6 Service
4	59904	Tube Inner Front #35060
5	106732X624	Rim Asm 6"front White Service
6	278H	Fitting Grease
7	9040H	Bearing Flange
8	106108X624	Rim Asm 8"rear White Service
9	106268X	Tire R Ts 18 x 9-5-8 C Service
10	7152J	Tube Rear 9 5 x 8 Service
11	104757X428	Cap Axle Blk 1 50 x 1 00
- -	144334	Sealant, Tire (10 oz. tube)

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

ENGINE



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

ENGINE

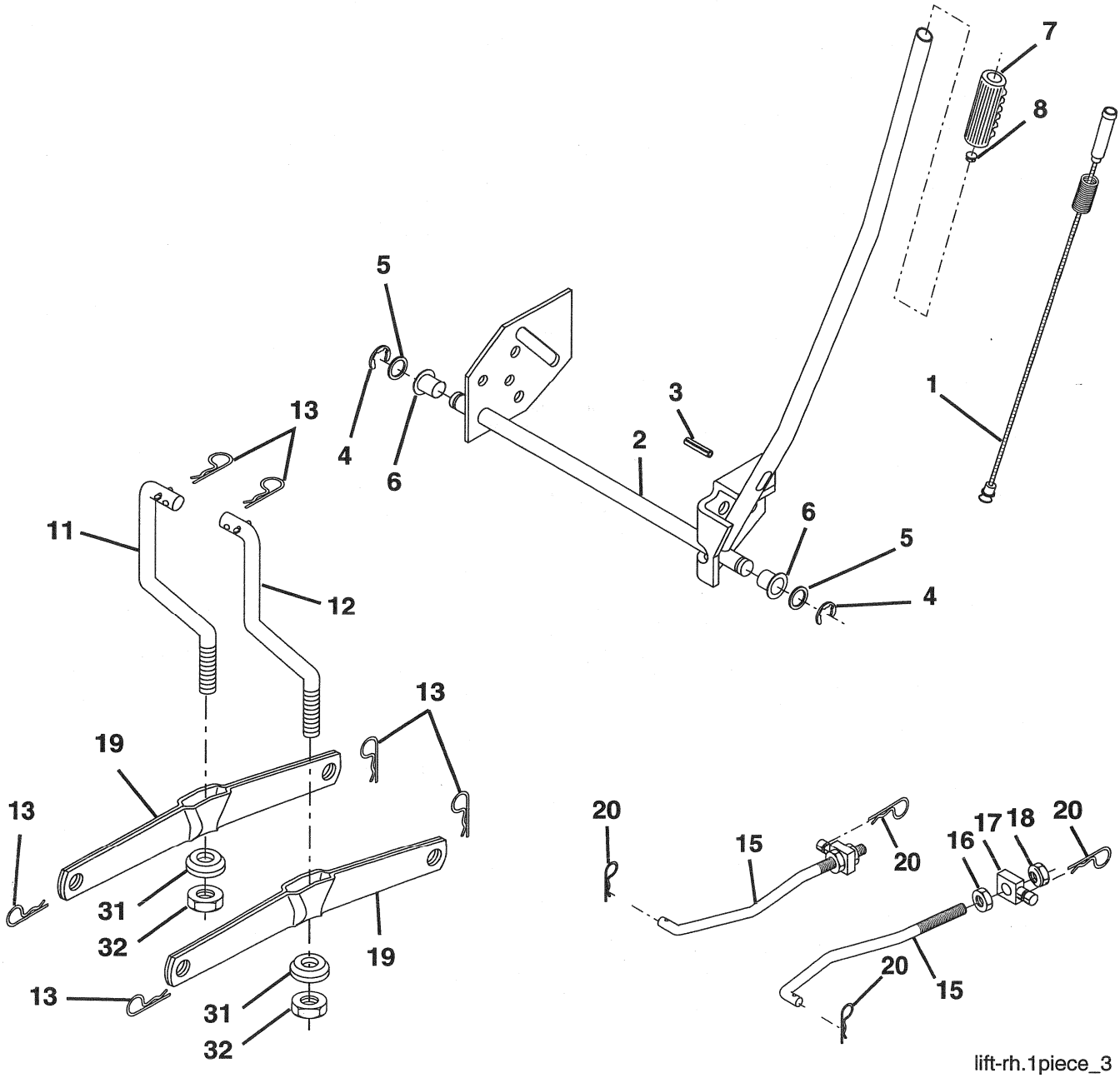
KEY NO.	PART NO.	DESCRIPTION
1	170545	Control, Throttle
2	17720408	Screw, Hex Head, Thread Cutting 1/4-20 x 1/2
3	- - - - - -	Engine, (See Breakdown) Briggs Model 31C707-0240-E1
4	137352	Muffler
13	165291	Gasket
14	148456	Tube Drain Oil Easy
23	169837	Shield Brn/Dbr Guard
25	180945	Control Choke
29	137180	Arrestor, Spark
31	184900	Tank, Fuel
32	140527	Cap Assembly, Fuel Sears, Vented
33	123487X	Clamp, Hose
37	137040	Line, Fuel
38	181654	Plug Drain Oil Easy
40	124028X	Bushing, Snap, Fuel Line
44	17670412	Screw, Hex Washer Head, Thd., Roll. 1/4-20 x 3/4
45	17000612	Screw Hxwsh Thdr 3/8-16 x 3/4
46	19091416	Washer 9/32 x 7/8 x 16 Ga.
72	183906	Screw Socket Head 5/16-18 x 1
78	17060620	Screw 3/8-16 x 1-1/4
81	73510400	Nut Keps Hex 1/4-20

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

MOWER LIFT



lift-rh.1piece_3

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

MOWER LIFT

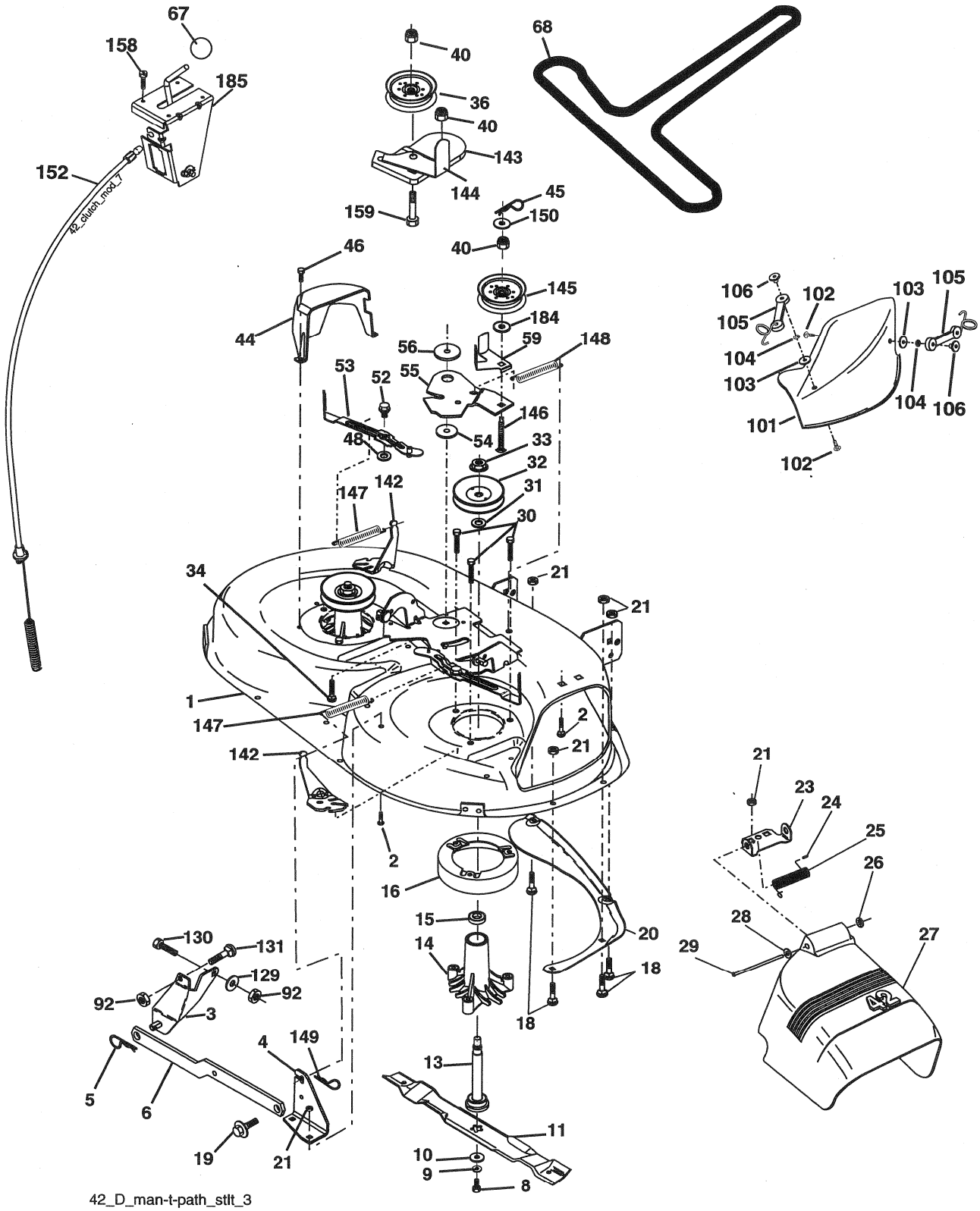
KEY NO.	PART NO.	DESCRIPTION
1	159460	Washer Asm Inner Spring W/Plunger
2	159471	Shaft Asm. Lift
3	105767X	Pin Groove
4	12000002	E Ring #5133-62
5	19211621	Washer 21/32 x 1 x 21 Ga.
6	120183X	Bearing Nylong
7	125631X	Grip Handle Fluted
8	122365X	Button Plunger Read
11	139865	Link Asm Lift L.H.
12	139866	Link Asm Lift R.H.
13	STD624008	Retainer Spring
15	173288	Link Front
16	73350800	Nut Jam Hex 1/2-13 unc
17	175689	Trunnion Blk Zinc
18	73800800	Nut Lock w/Wsh 1/2-13 unc
19	139868	Arm Suspension Mower
20	163552	Retainer Spring
31	169865	Bearing, Pvt. Lift
32	73540600	Nut Crownlock 3/8-24

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

MOWER



42_D_man-t-path_stlt_3

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

MOWER

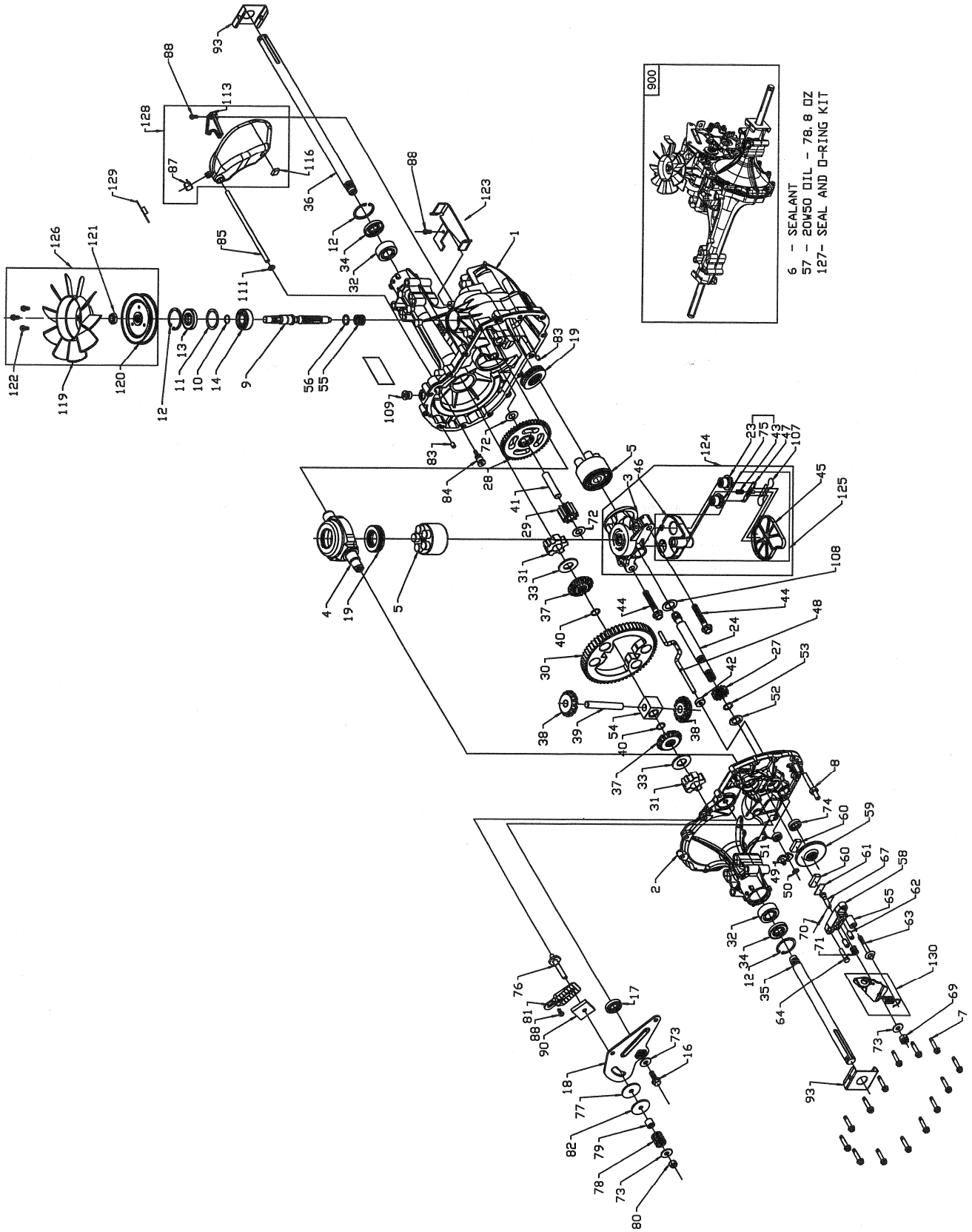
KEY NO.	PART NO.	DESCRIPTION
1	165892	Mower Deck Assembly, 42"
2	STD533107	Bolt
3	138017	Bracket Assembly,Sway Bar, Front
4	165460	Bracket Sway Bar 38/42" Deck
5	STD624008	Retainer Spring
6	178024	Bar Sway Deck
8	850857	Bolt, Hex 3/8-24 x 1.25 Gr. 8
9	STD551137	Washer, Lock
10	140296	Washer, Hardened
11	134149	Blade,
13	137645	Shaft Assembly, Mandrel, Vented
14	128774	Housing, Mandrel, Vented
15	110485X	Bearing, Ball, Mandrel
16	174493	Stripper, Vented Mower Deck
18	72140505	Bolt, Carriage 5/16-18 x 5/8
19	132827	Bolt, Shoulder
20	159770	Baffle, Vortex
21	STD541431	Nut Crownlock 5/16-18 unc
23	177563	Bracket, Deflector
24	105304X	Cap, Sleeve
25	123713X	Spring, Torsion, Deflector
26	110452X	Nut, Push
27	130968X428	Shield, Deflector
28	19111016	Washer 11/32 x 5/8 x 16 Ga.
29	131491	Rod, Hinge
30	173984	Screw Thdrol Washer Head
31	187690	Washer, Spacer
32	153535	Pulley, Mandrel
33	178342	Nut, Toplock, Flanged
34	STD533717	Bolt
36	131494	Pulley, Idler, Flat
40	73900600	Nut Lock 3/8-16
44	140088	Guard, Mandrel, L.H.
45	STD624003	Retainer
46	137729	Screw, Thd. Roll 1/4-20 x 5/8
48	133944	Washer, Hardened
52	139888	Bolt, Shoulder 5/16-18 unc
53	184907	Arm Assembly, Pad, Brake
54	178515	Washer, Hardened
55	155046	Arm, Idler
56	165723	Spacer, Retainer
59	141043	Guard, TUV Idler
67	184939	Knob Custom Oval
68	180215	V-Belt
92	STD541437	Nut
101	136420	Mulcher Cover
102	71081010	Screw
103	19061216	Washer #10
104	STD551110	Washer, Lock
105	160793	Latch Assembly, Bagger
106	2029J	Nut, Weld
129	19131312	Washer 13/32 x 13/16 x 12 Ga.
130	STD523710	Bolt, Fin Hex 3/8-16 unc x 1 Gr. 5
131	STD533710	Bolt, Rdhd Sqnk 3/8-16 unc x1
142	165890	Arm Spring Brake Mower
143	157109	Bracket Arm Idler 42"
144	158634	Keeper Belt 42" Clutch Cable
145	165888	Pulley Idler Flat
146	171977	Bolt Carriage Idler
147	179748	Spring Extension
148	169022	Spring Return Idler
149	165898	Retainer Spring Yellow Zinc
150	19091210	Washer 9/32 x 3/4 x 10 Ga.
152	181555	Cable Clutch 42 In
158	17720408	Screw Hex Thd Cut 1/4-20 x 1/2
159	72140614	Bolt Rdhd Sqn 3/8-16 unc x 3/4
184	19131410	Washer 13/13 x7/8 x 10 Ga.
185	188234	Head Asm Cable Clutch
- -	130794	Mandrel Assembly (Includes Housing, Shaft and Shaft Hardware Only - Pulley Not Included)
- -	181268	Replacement Mower, Complete (Std. Deck-Order separately mulcher cover components key nos. 101 - 106).

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

HYDRO GEAR TRANSAXLE - MODEL NUMBER 322-0510



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

HYDRO GEAR TRANSAXLE - MODEL NUMBER 322-0510

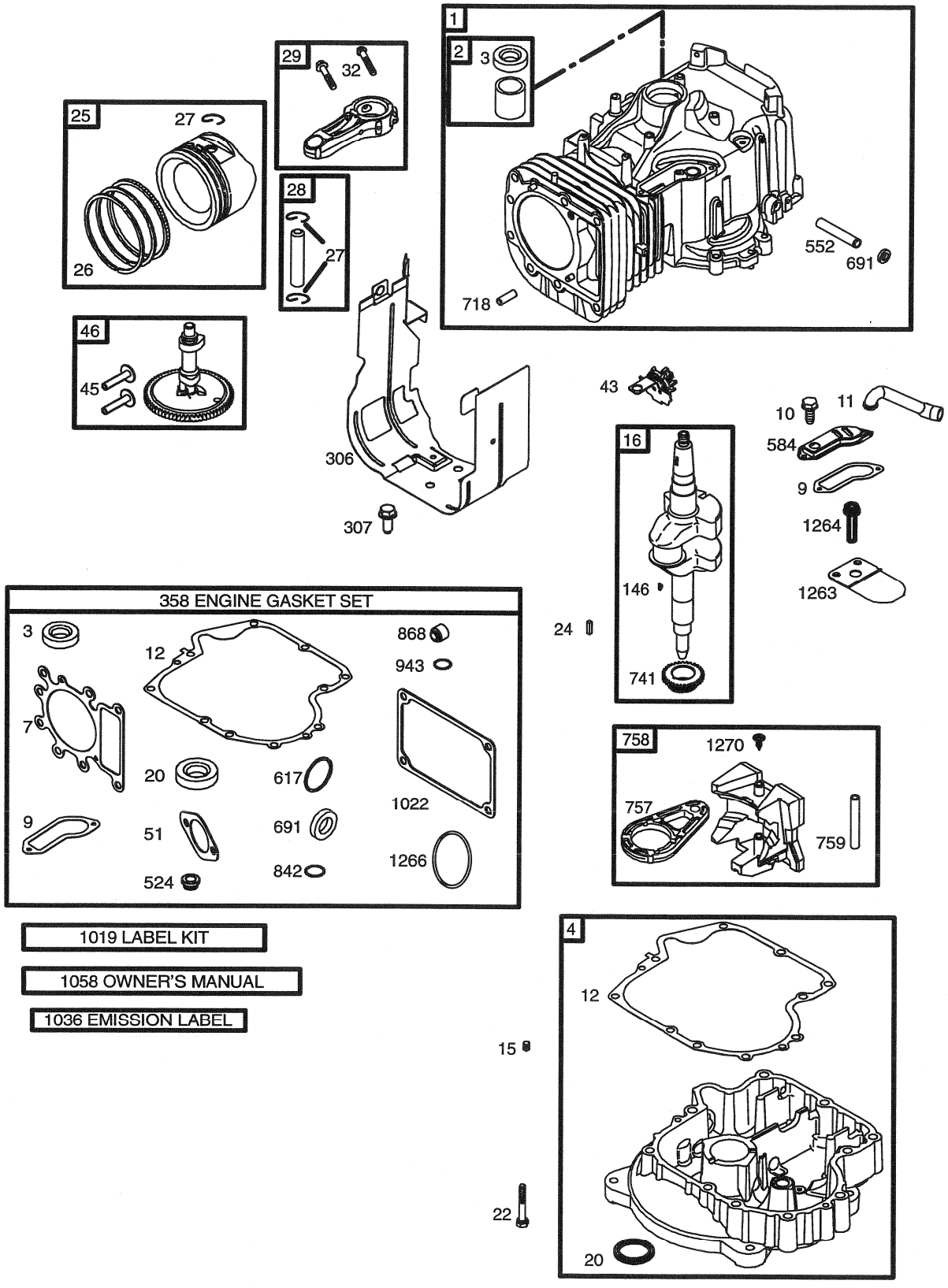
KEY NO.	PART NO.	DESCRIPTION
1	170351	Main Housing, Assembly
2	170352	Side Housing, Assembly
3	170353	Center Section, Assembly
4	170354	Swashplate, Trunion Machined
5	169898	Block - Assembly
6	170355	Sealant
7	170356	Hex Flange Screw 1/4-20 X 1.25
8	170357	Stud, 5/16-24 Hex Double End
9	170358	Shaft, Input
10	170359	Ring - Retaining
11	170360	Spacer
12	169870	Ring - Retaining
13	170361	Seal, Lip .67 X 1.58 X .276
14	173158	Ball Brg 17MM ID X 40MM OD X 12MM
16	170362	Hex FLlange Head Screw 5/16-24 X 0.75
17	170363	Lip Seal 18 X 32 X 7
18	170364	Arm, Control
19	173159	Bearing, 30X52X13 Thrust
23	170365	Check Plug Assembly, Washer
24	170366	Shaft, Motor1
27	170367	Gear - Pinion, 13T
28	170368	10T/48T GEAR
29	170369	Gear, 10T Jackshaft
30	170370	60T Bull Gear
31	170371	Sleeve Bearing .75 X 1.575 X .625 Sleeve Bearing (Outboard).75X1.750X.625
33	142991	Washer, 3/4 ID X 1-1/2 OD X .13 THK
34	170390	Lip Seal Axle Seal
35	170391	Shaft, Axle .75 X 11.39 (Key, R.H.)
36	170392	Shaft, Axle .75 X 16.99 (Key, L.H.)
37	150792	Miter Gear (SPLINED)
38	150793	Miter Gear 15T (0.5 ID)
39	150809	Shaft
40	170393	Ring, Spiral Retaining
41	170394	Pin, Jackshaft
42	170395	Magnet, Rling
43	170396	Spring, Bypass
44	150797	Hydro mtg Screw 3/8-24 X 2.5 Long
45	170397	Flilter
46	170398	Base, Filter
47	170399	Actuator, Bypass
48	170400	Rod, Bypass Actuator
49	170401	Arm, Bypass
50	170402	Retaining Ring .250 External
51	170403	Seal, Lip .741 X .250 X .250 TC
52	170404	Flat Washer, 5/8 ID X 1.0 OD X .05 THK
53	170405	Retaining Ring
54	170406	Bearing, Center Block
55	142977	Spring - Helical Compression
56	142978	Washer
57	150798	20W-50 OIL72.8 oz
58	170407	Brake Yoke
59	170408	Rotor, Brake
60	142883	Brake Puck
61	142882	Puck Plate
62	142887	Brake Actuating Pin
63	170410	HFHCS 1/4-20X2 W/Patch, Special Flange
64	142892	Bolt, 1/4-20 X 1 W/Patch
65	170411	Spacer
66	189386	Spring, Brake Arm Bias
67	170413	SQ. HD. BOLT 5/16-24-Ribbed
68	170414	Arm, Brake
69	170415	Slotted Hex Nut 5/16-24
70	170416	Cotter Pin 3/32 X 3/4
71	170417	Compression Spring Brake Anti-Drag
72	170418	Washer, HT .5 I.D. X 1 O.D. X .032
73	142884	Flat - Washer 11/32 I.D. X 7/8 O.D.
74	170419	Oil Seal .625 X 1.0 X .25
75	170420	Check Plug Assembly, .027, Washer
76	170421	Stud, 5/16-24 Friction Pack
77	170422	Puck, .330 X 1.50 X .0975
78	142969	Spring, Helicl Comp
79	142980	Spacer
80	150778	Hex Lock Nut 5/16-24 UNJF(Nylon Insert)
81	170423	Wedge, Friction Pack
82	170424	Clip, Washer .316X1.50X.1046 (Plated)
83	161168	Pin, Standard Headless
84	170425	Fitting, 5/16 Sae 5/32 Tube
85	170426	Hose, Expansion Tank
87	173160	Cap, Vent
88	170429	Bolt, Self Tapping 10-32 X 1/2
90	170430	Puck, Inner Wedge
93	170431	Spring Clip - Housing Thrust
107	170432	Deflector
108	170433	Washer,Motorshaft .71IDX1.15ODX.030THK
109	170434	Plug, Sae #6
111	170435	O-ring .07 x .301 I.D.
113	170437	Bracket, Support Expansion Tank
116	170438	Slilicon Sponge
119	173161	Fan
120	170440	Pulley
122	173162	#12 T.F. Screw-lindented Hex Washer Head
123	173163	Bracket Belt Keeper
124	170444	Center Section-Filter-Bypass Assembly
125	170445	Filter Assembly
126	173164	Fan - Pulley Service Aassembly
127	170447	Seal - O-ring Kit
128	173165	Kit, Expansion Tank
900	171613	Transaxle, complete

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

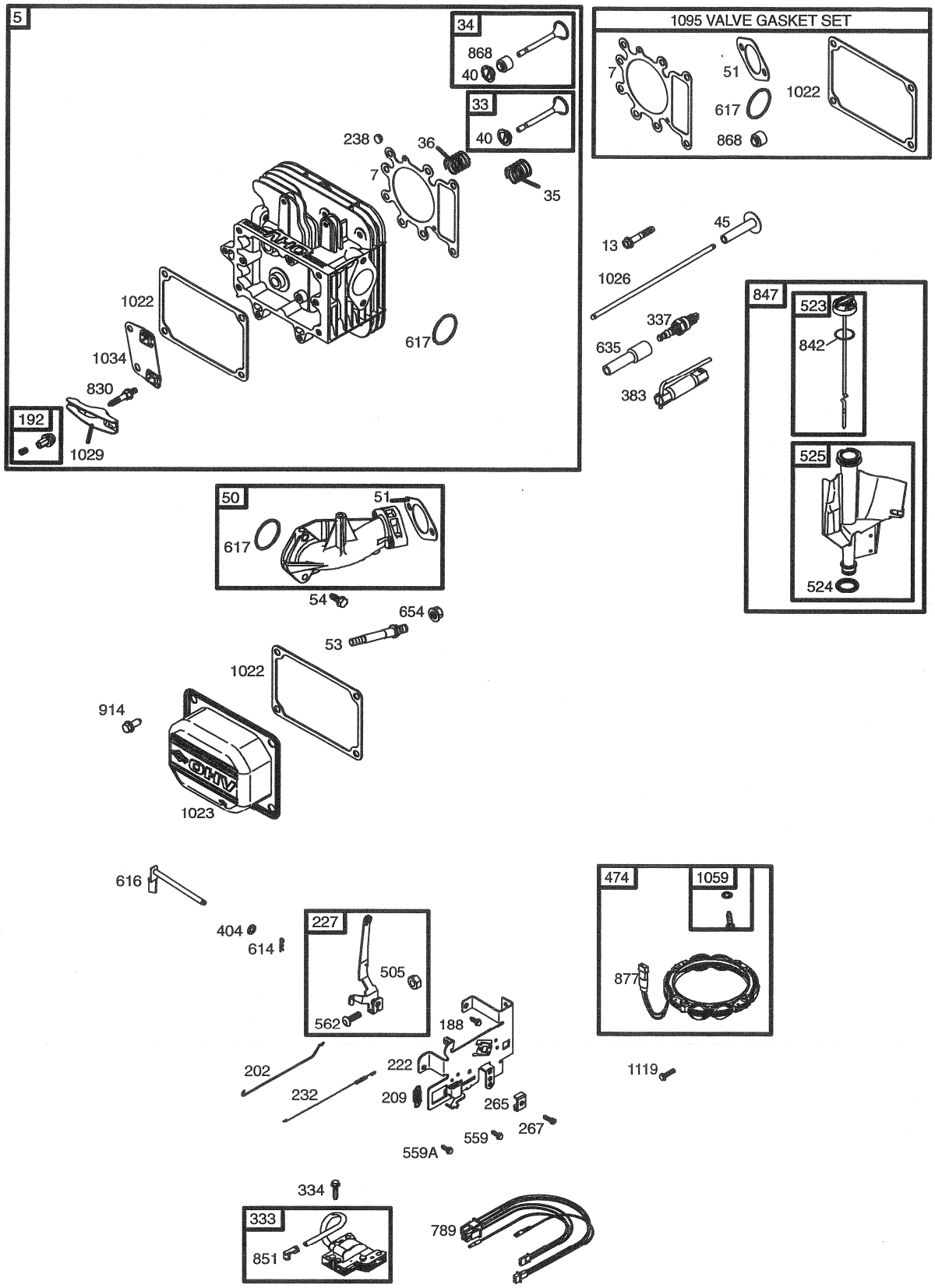
BRIGGS & STRATTON ENGINE - - MODEL NUMBER 31C707, TYPE NUMBER 0240-E1



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

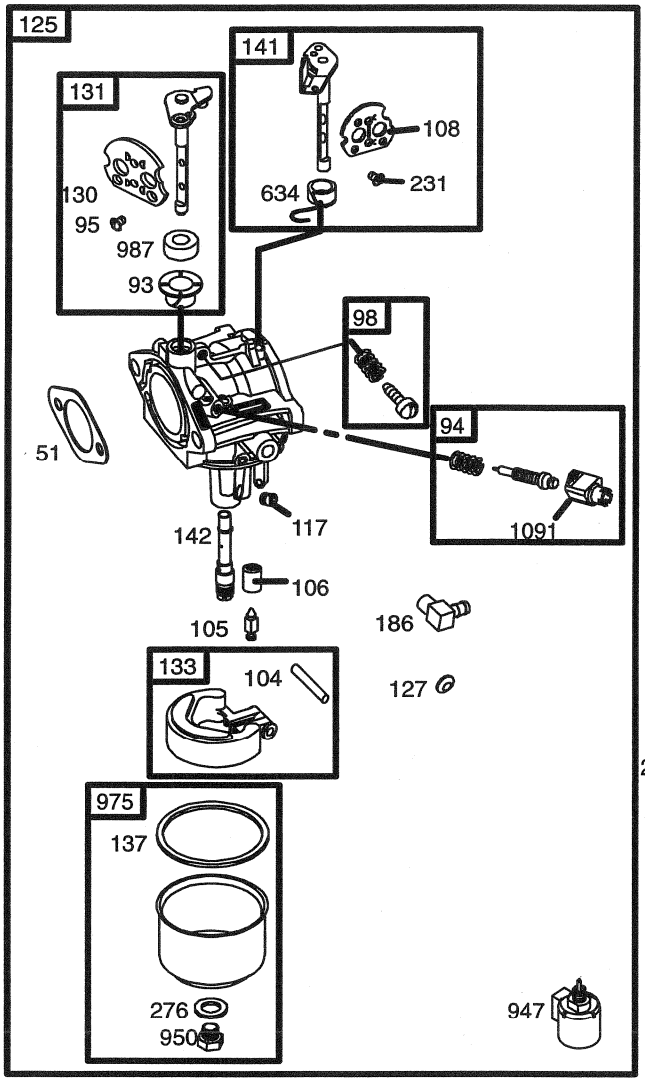
BRIGGS & STRATTON ENGINE - - MODEL NUMBER 31C707, TYPE NUMBER 0240-E1

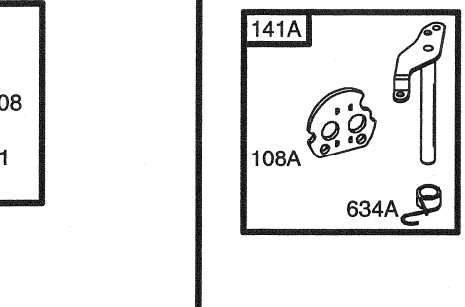


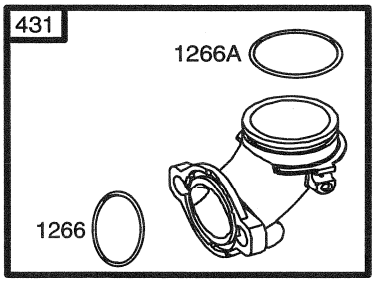
REPAIR PARTS

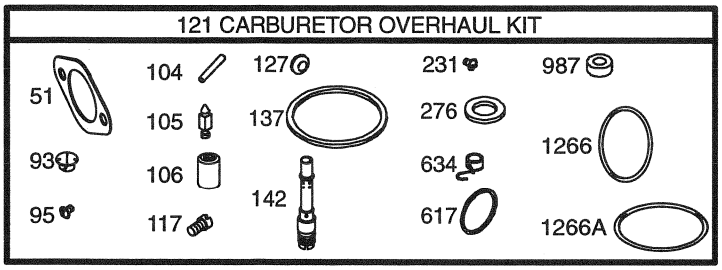
TRACTOR- -MODEL NO. 917. 277420

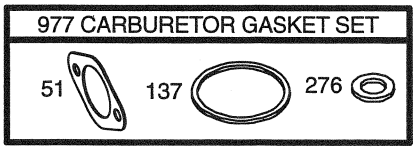
BRIGGS & STRATTON ENGINE - - MODEL NUMBER 31C707, TYPE NUMBER 0240-E1







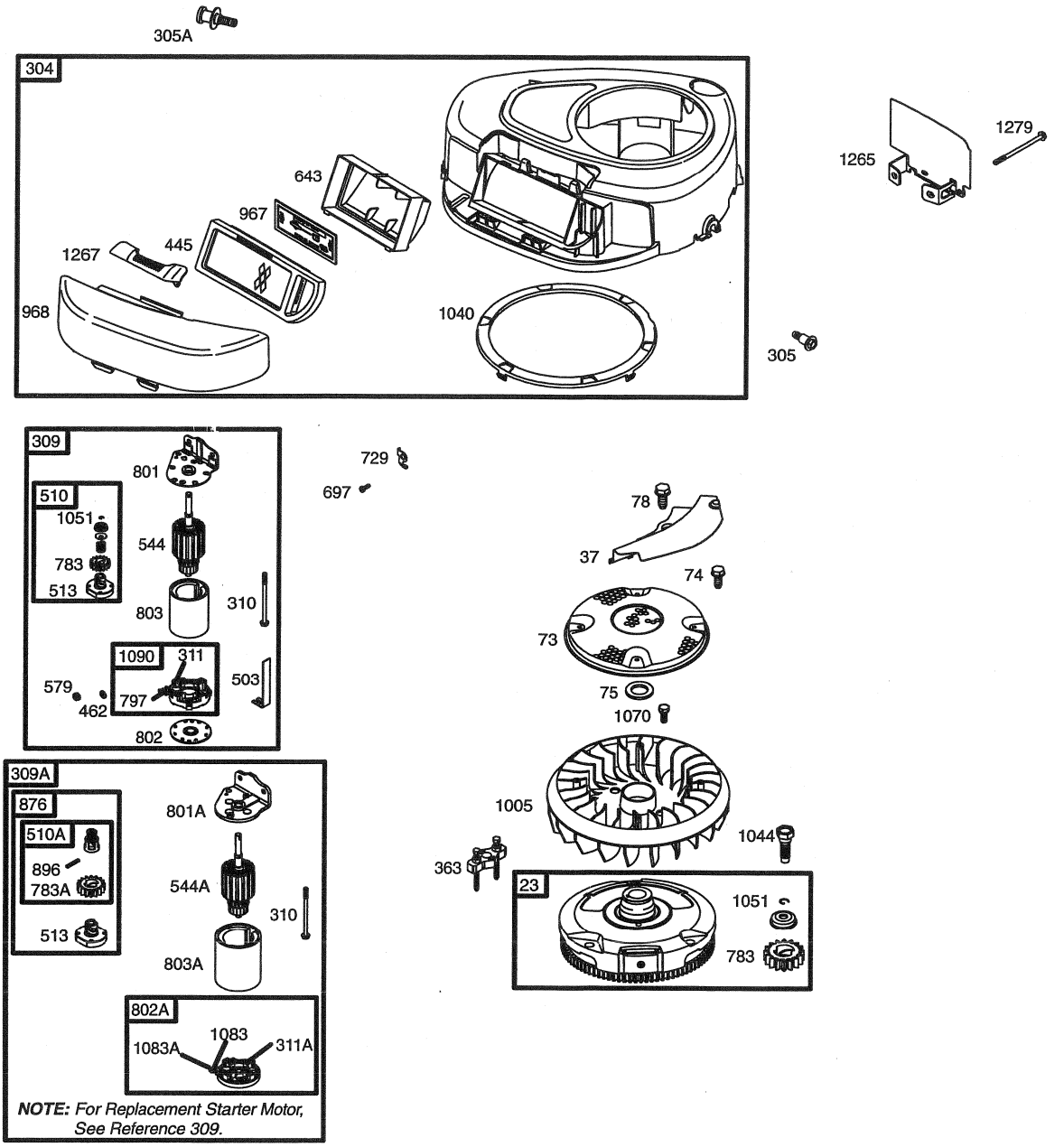




REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 31C707, TYPE NUMBER 0240-E1



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 31C707, TYPE NUMBER 0240-E1

KEY NO.	PART NO.	DESCRIPTION
1	697174	Cylinder Assembly
2	399265	Kit-Bushing/Seal (Magneto Side)
3	391086	• Seal-Oil (Magneto Side)
4	697106	Sump-Engine
5	698147	Head-Cylinder
7	692410	•+ Gasket-Cylinder Head
9	697109	• Gasket-Breather
10	697157	Screw (Breather Assembly)
11	697113	Tube-Breather
12	697110	• Gasket-Crankcase
13	690360	Screw (Cylinder Head)
15	690946	Plug-Oil Drain
16	697127	Crankshaft
20	690947	• Seal-Oil (PTO Side)
22	692125	Screw (Crankcase Cover/Sump)
23	693557	Flywheel
24	222698	Key-Flywheel
25	697159	Piston Assembly (Standard)
	697160	Piston Assembly (.010" Oversize)
	697162	Piston Assembly (.020" Oversize)
	697163	Piston Assembly (.030" Oversize)
26	697164	Ring Set (Standard)
	697165	Ring Set (.010" Oversize)
	697171	Ring Set (.020" Oversize)
	697172	Ring Set (.030" Oversize)
27	697100	Lock-Piston Pin
28	697099	Pin-Piston
29	697126	Rod-Connecting (Standard)
32	692852	Screw (Connecting Rod)
33	495856	Valve-Exhaust
34	495857	Valve-Intake
35	691279	Spring-Valve (Intake)
36	691279	Spring-Valve (Exhaust)
37	697352	Guard-Flywheel
40	691752	Retainer-Valve
43	691968	Slinger-Governor/Oil
45	690564	Tappet-Valve
46	697687	Camshaft
48	697761	Short Block (31C707-0240-E2 Replacement Engine-art not available)
50	690193	Manifold-Intake
51	692137	•Ø‡+ Gasket-Intake
53	690227	Stud (Carburetor)
54	691148	Screw (Intake Manifold)
73	697384	Screen-Rotating
74	697987	Screw (Rotating Screen)
75	690582	Washer (Flywheel)
78	691003	Screw (Flywheel Guard)
93	690602	Ø Bushing-Throttle Shaft
94	498030	Kit-Idle Mixture
95	691636	Screw (Throttle Valve)
98	495800	Kit-Idle Speed
104	690525	Ø Pin-Float Hinge
105	231855	Ø Valve-Float Needle
106	690577	Ø Seat-Inlet
108	690464	Valve-Choke (Manual Choke)
108A	692344	Valve-Choke (Choke A Matic)
117	694352	Ø Jet-Main (Standard)
118	697492	Jet-Main (High Altitude)
121	697241	Kit-Carburetor Overhaul
125	697190	Carburetor
127	695005	Plug-Welch
130	691750	Valve-Throttle
131	494379	Kit-Throttle Shaft
133	494381	Float-Carburetor
137	281165	Ø‡ Gasket-Float Bowl
141	495097	Kit-Choke Shaft (Manual Choke)
141A	495931	Kit-Choke Shaft (Choke A Matic)
142	697140	Ø Nozzle-Carburetor
146	691639	Key-Timing
186	692317	Connector-Hose
187	691050	Line-Fuel (Cut to Required Length)
188	691693	Screw (Control Bracket)
192	691986	Adjuster-Rocker Arm
202	691841	Link-Mechanical Governor
209	692208	Spring-Governor
222	694042	Bracket-Control
227	691374	Lever-Governor Control
231	691636	Screw (Choke Valve)
232	691842	Spring-Governor
238	691843	Cap-Valve
240	394358	Filter-Fuel
265	691024	Clamp-Casing
267	695134	Screw (Casing Clamp)
276	692255	Ø‡ Washer-Sealing
304	698402	Housing-Blower
305	697102	Screw (Blower Housing)
305A	697103	Screw (Blower Housing)
306	697107	Shield-Cylinder
307	691003	Screw (Cylinder Shield)
309	693551	Motor-Starter
309A	-- -- -- --	Motor-Starter (For Replacement Starter Motor, See Reference 309)
310	690323	Bolt (Starter Motor)
311	497608	Brush Set
311A	395538	Brush Set
333	492341	Armature-Magneto
334	691061	Screw (Magneto Armature)
337	691043	Plug-Spark
358	697191	Gasket Set-Engine
363	19203	Flywheel Puller
383	89838	Wrench-Spark Plug
404	691691	Washer (Governor Crank)
431	697122	Elbow-Intake

RPM Settings: Low Speed: 1900-2100
High Speed: 3000-3200

• Included in Engine Gasket Set, Key. No. 358
Ø Included in Carburetor Overhaul Kit, Key. No. 121
‡ Included in Carburetor Gasket Set, Key. No. 977
+ Included in Valve Gasket Set, Key. No. 1095

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 277420

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 31C707, TYPE NUMBER 0240-E1

KEY NO.	PART NO.	DESCRIPTION
445	698083	Filter-Air Cleaner Cartridge
462	691261	Washer (Starter Cable)
474	696459	Alternator
503	691532	Strap-Starter
505	691251	Nut (Governor Control Lever)
510	693699	Drive-Starter
510A	497606	Drive-Starter
513	692024	Clutch-Drive
523	697086	Dipstick
524	691032	• Seal-Dipstick Tube
525	697184	Tube-Dipstick
544	692034	Starter-Armature
544A	390837	Starter-Armature
552	697144	Bushing-Governor Crank
559	697561	Screw (Remote Choke Stop)
559A	693675	Screw (Remote Choke Stop)
562	691119	Bolt (Governor Control Lever)
579	691029	Nut (Starter Cable)
584	697112	Cover-Breather Passage
601	95162	Clamp-Hose
614	691620	Pin-Cotter
616	692012	Crank-Governor
617	692138	Ø • Seal-O Ring (Intake Manifold)
634	690801	Ø Spring/Seal Assembly (Manual Choke)
634A	690802	Ø Spring/Seal Assembly (Choke A Matic)
635	691909	Boot-Spark Plug
643	698401	Retainer-Air Filter
654	690958	Nut (Carburetor)
691	692407	• Seal-Governor Shaft
697	690372	Screw (Drive Cap)
718	690959	Pin-Locating
729	691224	Clip-Wire
741	697128	Gear-Timing
757	697607	Link-Counterweight
758	697134	Counterweight
759	697392	Pin-Counterweight
783	693713	Gear-Pinion
783A	693059	Gear-Pinion
789	698329	Harness-Wiring
797	693167	Nut (Brush Retainer)
801	691283	Cap-Drive
801A	394856	Cap-Drive
802	691286	Cap-End
802A	395537	Cap-End
803	693757	Housing-Starter
803A	398159	Housing-Starter
830	691095	Stud (Rocker Arm)
842	691031	• Seal-O Ring (Dipstick Tube)
847	697611	Dipstick/Tube Assembly
851	692424	Terminal-Spark Plug
868	690968	•+ Seal-Valve
876	495877	Kit-Pinion Spring
877	393456	Wire-Connector/Alternator
896	691641	Pin-Drive Retainer
914	690960	Screw (Rocker Cover)
947	694393	Solenoid-Fuel
950	691657	Screw (Float Bowl)
967	697015	Filter-Pre Cleaner
968	698403	Cover-Air Cleaner
975	495933	Bowl-Float
977	690192	Gasket Set-Carburetor
987	691326	Ø Seal-Throttle Shaft
1005	697853	Fan-Flywheel
1019	697143	Kit-Label
1022	272475	•+ Gasket-Rocker Cover
1023	692492	Cover-Rocker Arm
1026	692003	Rod-Push (Intake)
	692011	Rod-Push (Exhaust)
1029	691751	Arm-Rocker
1034	690822	Guide-Push Rod
1036	695700	Label-Emission
1040	698368	Plate-Trim
1044	691658	Screw (Flywheel)
1051	691265	Ring-Retaining
1058	275038	Owner's Manual
1059	698516	Kit-Screw/Washer
1070	690372	Screw (Flywheel Fan)
1083	691626	Nut (Starter Terminal)
1083A	690958	Nut (Starter Terminal)
1090	691293	Retainer-Brush
1091	691333	Cap-Limiter
1095	690190	Gasket Set-Valve
1119	691183	Screw (Alternator)
1263	697124	Reed-Breather
1264	697104	Screw (Breather Reed)
1265	697125	Support-Blower Housing
1266	691917	•Ø Seal-O Ring (Intake Elbow)
1266A	697123	Ø Seal-O Ring (Intake Elbow)
1267	697575	Latch-Blower Housing
1270	697156	Plug-AVS Counterweight
1279	690960	Screw (Blower Housing Support)
RPM Settings:		Low Speed: 1900-2100 High Speed: 3000-3200

•	Included in Engine Gasket Set, Key. No. 358
Ø	Included in Carburetor Overhaul Kit, Key. No. 121
‡	Included in Carburetor Gasket Set, Key. No. 977
+	Included in Valve Gasket Set, Key. No. 1095

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

LIMITED WARRANTY ON CRAFTSMAN RIDING EQUIPMENT

For two (2) years from the date of purchase, if this Craftsman Riding Equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace free of charge any parts that are found to be defective in material or workmanship according to the guidelines of coverage listed below. Sears will also provide free labor for these applicable warranted parts for the two full years. During the first 30 days of purchase, there will be no charges to service the product at your home for issues covered by this warranty. (See exclusions below). For your convenience, IN HOME warranty service will still be available after the first 30 days of purchase, but a trip charge will apply. This charge will be waived if the Craftsman product is dropped off at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®. This warranty applies only while this product is within the United States.

This Warranty does not cover:

- Expendable items which become worn during normal use, including but not limited to blades, spark plugs, air cleaners, belts, and oil filters.
- Standard Maintenance Servicing, oil changes, or tune-ups
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, including but not limited to, damage caused by towing objects beyond the capability of the riding equipment, impacting objects that bend the frame or crankshaft, or over-speeding the engine.
- Repairs necessary because of operator negligence, including but not limited to, electrical and mechanical damage caused by improper storage, failure to use the proper grade and amount of engine oil, failure to keep the deck clear of flammable debris, or failure to maintain the equipment according to the instructions contained in the owner's manual.
- Engine (fuel system) cleaning or repairs caused by fuel determined to be contaminated or oxidized (stale). In general, fuel should be used within 30 days of its purchase date.
- Normal deterioration and wear of the exterior finishes, or product label replacement.
- Riding equipment used for commercial or rental purposes.

LIMITED WARRANTY ON BATTERY

For ninety (90) days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge. During the first 30 days of purchase, there will be no charges to replace the battery at your HOME. After the first 30 days, for your convenience, IN-HOME warranty service will still be available but a trip charge will apply. This charge will be waived if the Craftsman product is dropped of at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®.

This battery warranty applies only while this product is within the United States.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.

Sears, Roebuck and Co.,Dept.817WA, Hoffman Estates, IL 60179

CRAFTSMAN®