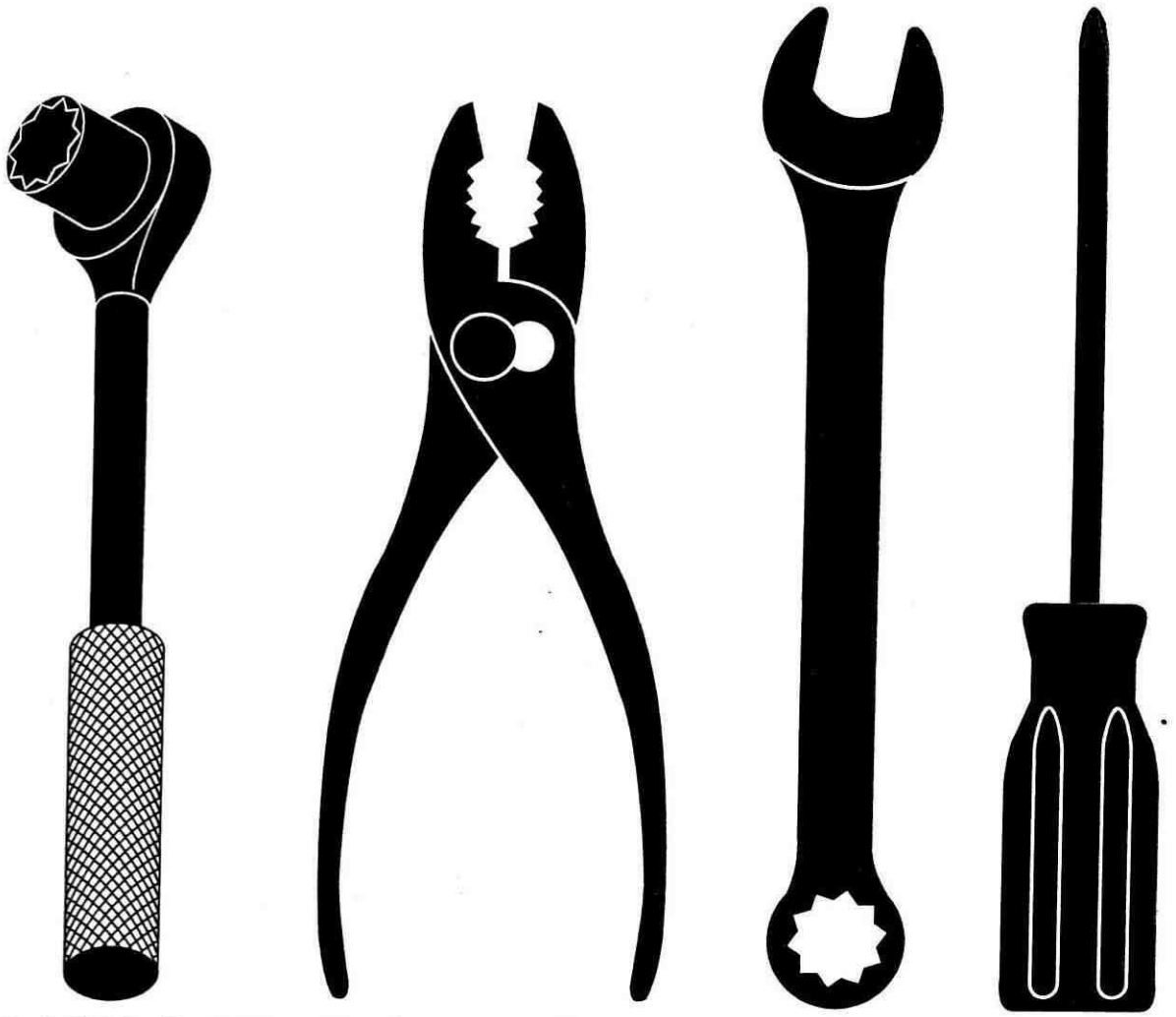


REPAIR PARTS MANUAL
MODEL NO. 253100
Lawn Tractor

CRAFTSMAN®

418991 01.03.08 SR

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 - "253100"
- Part Number
- Part Description

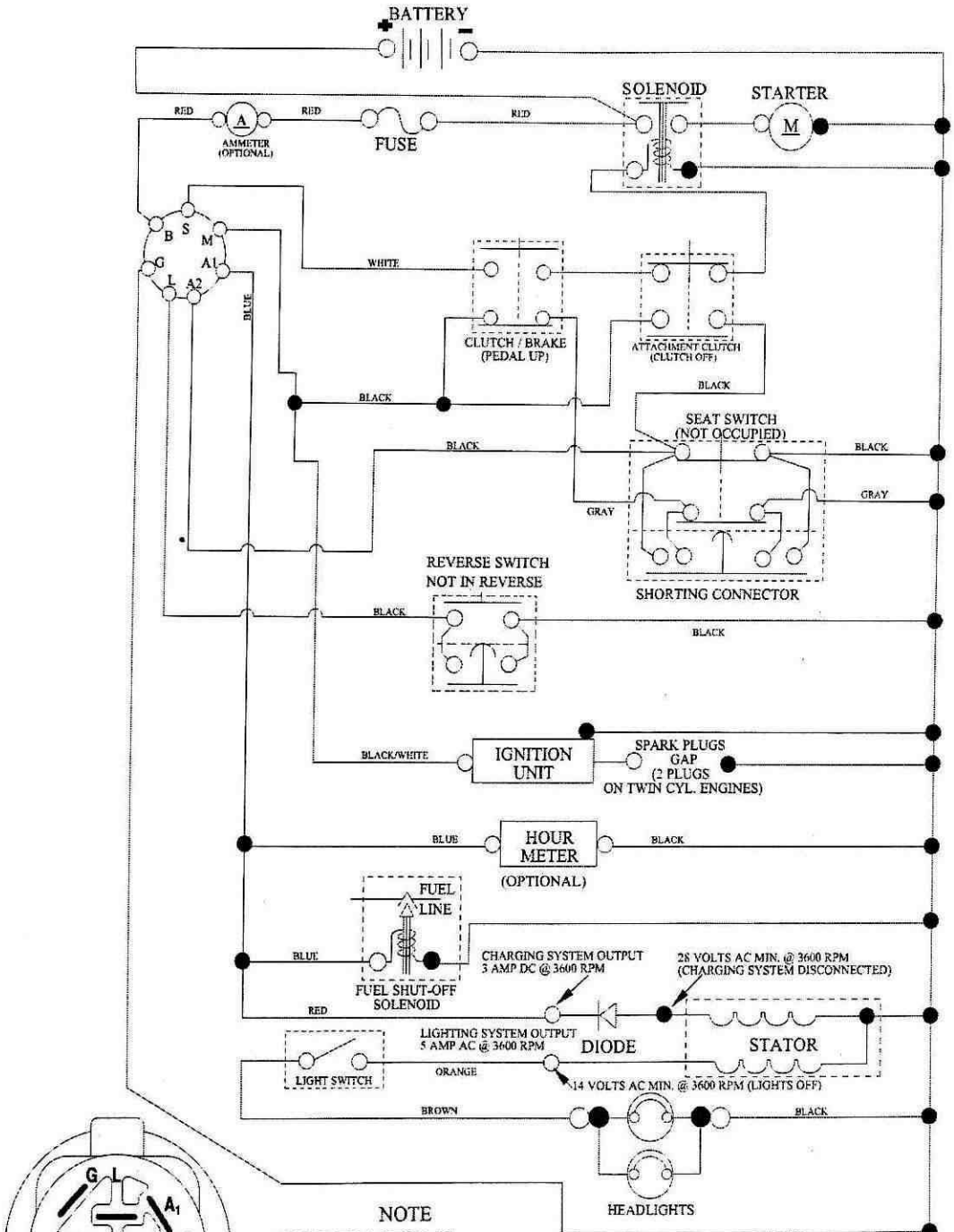
TABLE OF CONTENTS

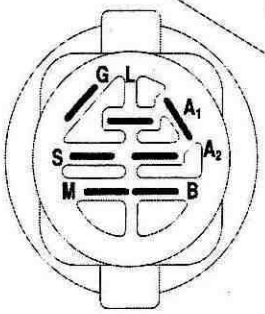
SCHEMATIC 3
ELECTRICAL 4-5
CHASSIS AND ENCLOSURES 6-7
DRIVE 8-9
STEERING ASSEMBLY 10-11
ENGINE 12-13
SEAT ASSEMBLY 14
DECALS 15
MOWER LIFT 16-17
MOWER DECK 18-19
TRANSAXLE 20-21
ENGINE BREAKDOWN 22-27
WARRANTY ..... BACK COVER

TRACTOR- -MODEL NO. 917. 253100

SCHEMATIC

SCH03





IGNITION SWITCH

POSITION	CIRCUIT "MAKE"
OFF	M+G+A1
RUN/OVERRIDE	B+A1
RUN	B+A1 L+A2
START	B + S + A1

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.

NON-REMOVABLE CONNECTIONS

REMOVABLE CONNECTIONS

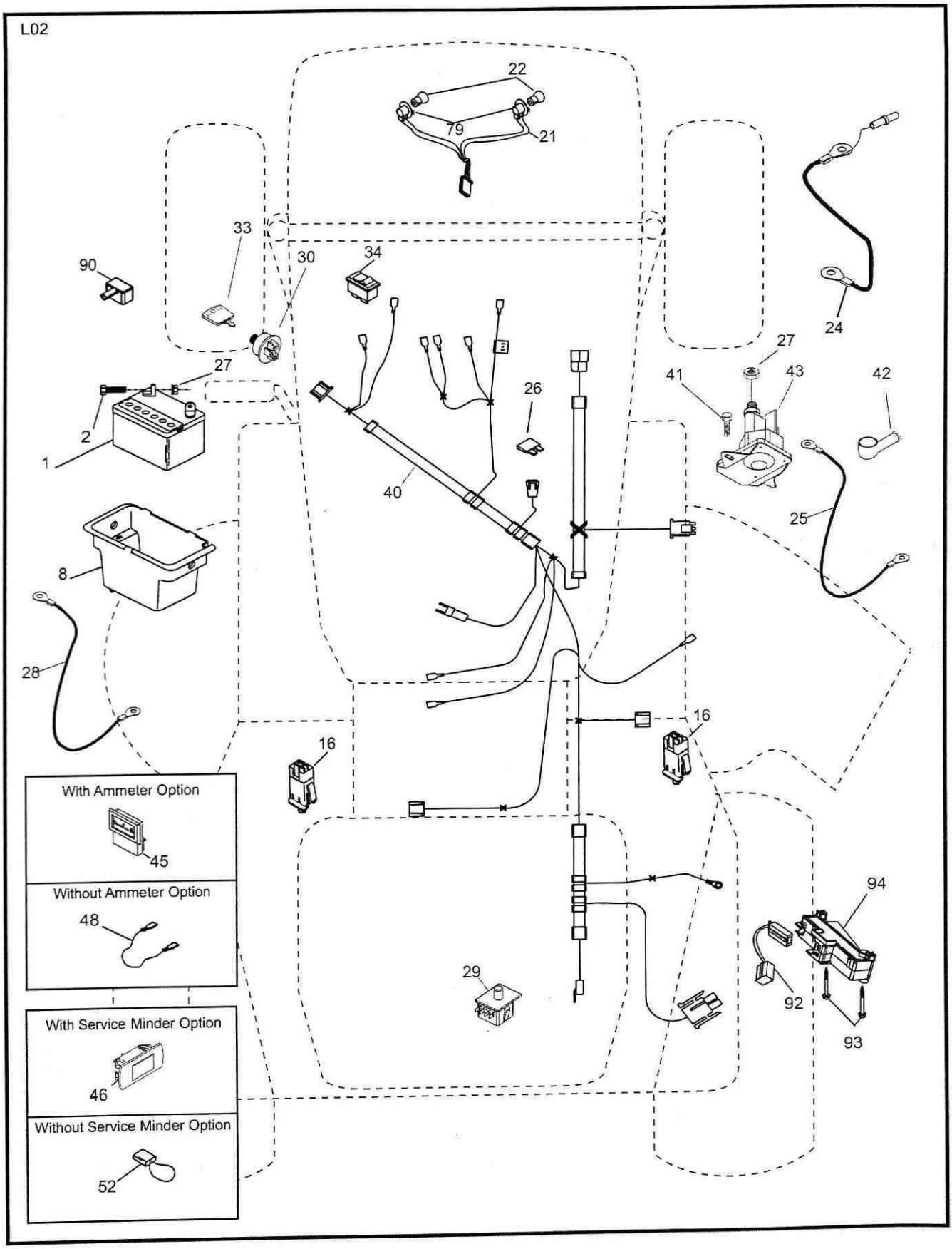
WIRING INSULATED CLIPS

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

ELECTRICAL



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

ELECTRICAL

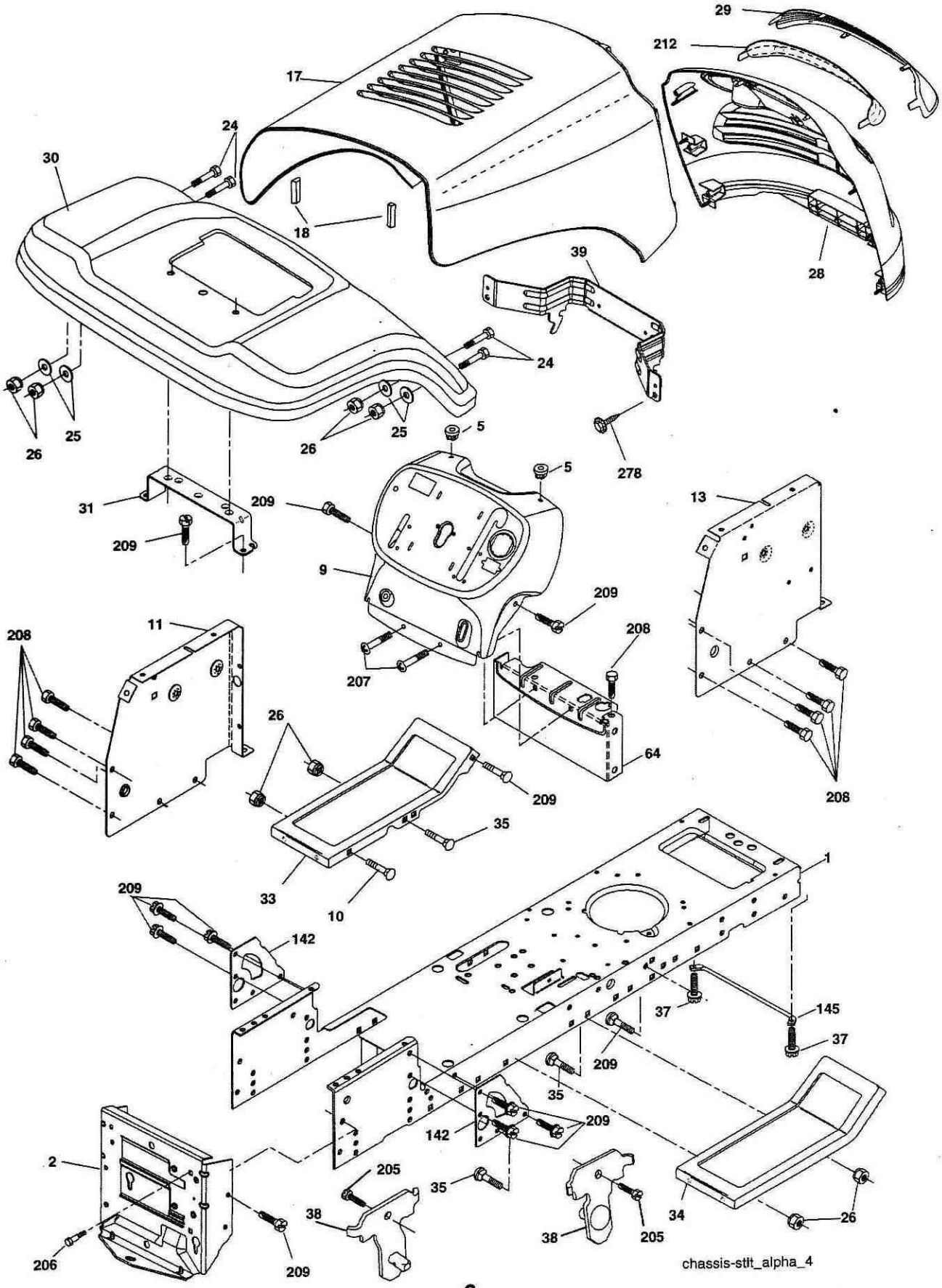
KEY NO.	PART NO.	DESCRIPTION
1	163465	Battery
2	74760412	Bolt Hex Hd 1/4-20 unc x 3/4
8	176689	Box Battery Fender
16	176138	Switch, Interlock
21	175688	Harness Asm Light W/4152j
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga. 11" Red
25	146147	Cable Battery 6 Ga. w/16 Wire Red
26	175158	Fuse 20 AMP
27	73510400	Nut, Keps Hex 1/4-20 unc
28	4207J	Cable Ground 6 Ga. 12" Black
29	192749	Switch Seat
30	193350	Switch Ign
33	411934	Key/Chain
34	110712X	Switch Light
40	197428	Harness Ign
41	71110408	Bolt Blk. Fin Hex 1/4-20 unc x 1/2
42	131563	Cover Terminal Red
43	192507	Solenoid
48	140844	Adapter Ammeter
52	141940	Protection Wire Loop
79	175242	Socket Asm Bulb Twistlock
90	180449	Cover Battery Terminal
92	196615	Harness Pigtail
93	192540	Screw Plastic 10-14 x 2.0
94	191834	Module Reverse ROS

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

CHASSIS AND ENCLOSURES



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

CHASSIS AND ENCLOSURES

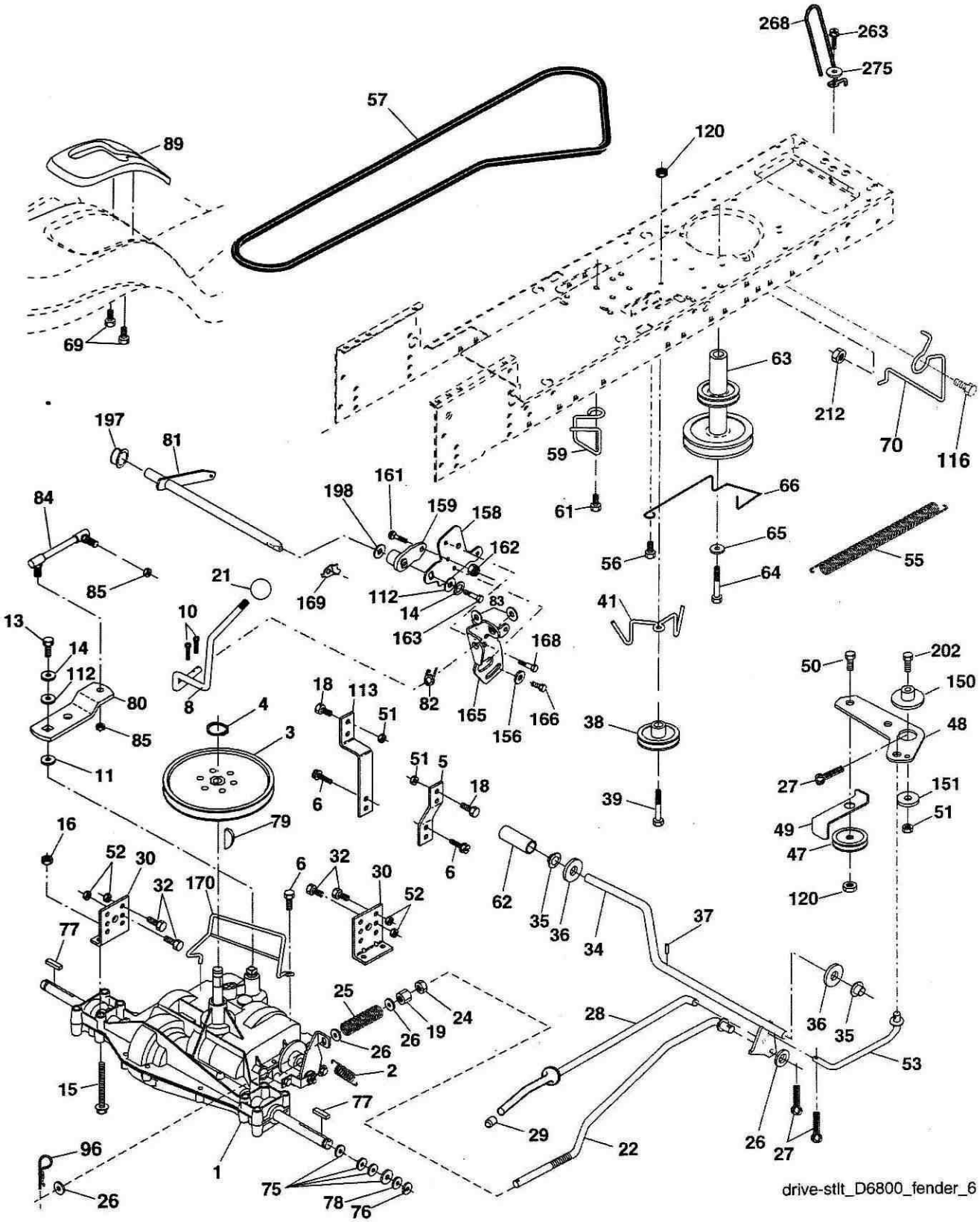
KEY NO.	PART NO.	DESCRIPTION
1	174619	Chassis Stamping
2	176554	Drawbar
5	155272	Bumper Hood/Dash
9	193510X013	Dash
10	STD533710	Bolt, Carriage 3/8-16 x 1
11	174996	Panel, Dash, L.H.
13	172105X010	Panel, Dash, R.H.
17	187559X613	Hood Assembly Alpha
18	184921	Bumper Hood Large 1.75
24	STD523710	Bolt Fin Hex 3/8-16 unc x 1 Gr. 5
25	19131312	Washer 13/32 x 13/16 x 12 Ga.
26	STD541437	Nut
28	419058	Grille Asm Alpha (Includes Key Nos. 29 and 212)
29	187567X599	Lens, Alpha
30	192526X613	Fender
31	136619	Bracket, Fender Support
33	179716X613	Footrest LH
34	179717X613	Footrest RH
35	STD533707	Bolt Rdhd Sht Sqnk 3/8-16 x 3/4
37	17490508	Screw Thdrol 5/16-18 x 1/2 Tyt
38	175710	Bracket Asm. Pivot Mower Rear
39	187658	Bracket Pivot Alpha
64	154798	Dash Lower
142	175702	Plate Reinforcement
145	409167	Rod Pivot Chassis/Hood
205	17490608	Screw Thdrol 3/8-16 x 1/2
206	170165	Bolt Shoulder 5/16 -18 TT
207	17670508	Screw 5/16-18 x 1/2
208	17670608	Screw Thdrol 3/8-16 x 1/2
209	17000612	Screw Hex Wsh Thdr 3/8-16 x 3/4
212	187569	Insert Lens Reflective
278	416358	Screw #10 x 0.750 BOS THREAD
- -	5479J	Plug, Button

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

DRIVE



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

DRIVE

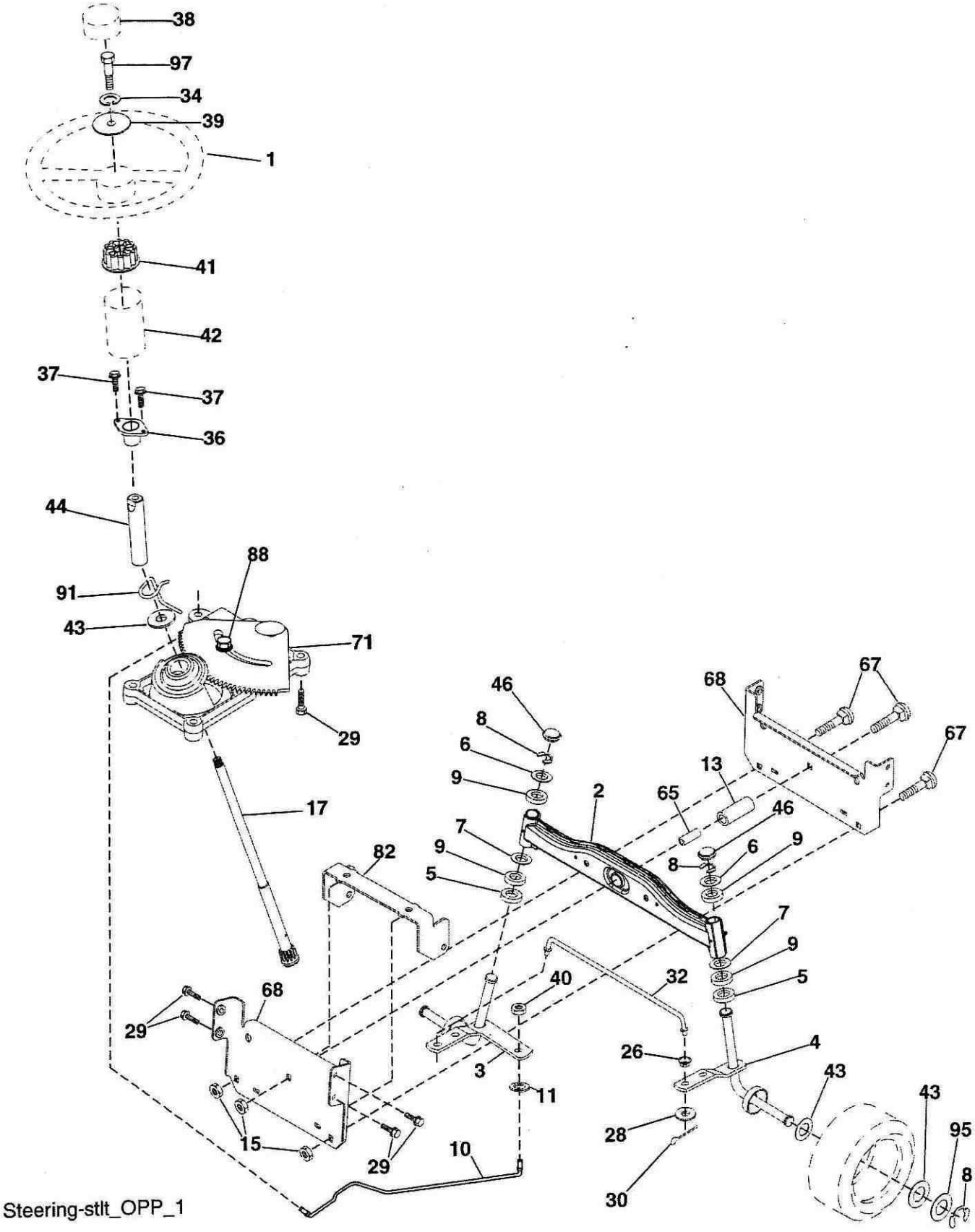
KEY NO.	PART NO.	DESCRIPTION
1	- - - - - -	Transaxle Dana D6800-2 (See Breakdown)
2	146682	Spring Brake Return
3	123666X	Pulley Transaxle
4	12000028	Ring Retainer
5	121520X	Strap Torque 30 Degrees
6	17000512	Screw 5/16-18 x 3/4
8	192706	Rod Shift Fender Adjust
10	STD561210	Pin Cotter 1/8 x 1 CAD
11	105701X	Washer Plate Shift
13	74550412	Bolt 1/4-28 unf Gr. 8 W/Patch
14	10040400	Washer Lock Hvy Helical
15	74490544	Bolt Hex FLGHD 5/16-18 x Gr. 5
16	STD541431	Nut Lock Hex W/Ins. 5/16-18 unc
18	74780616	Bolt Fin Hex 3/8-16 x 1 Gr. 5
19	STD541437	Nut Lock Hex W/Wsh 3/8-16 unc
21	106933X	Knob
22	130804	Rod, Brake
24	73350600	Nut, Hex Jam 3/8-16 unc
25	106888X	Spring, Brake Rod
26	STD551037	Washer 13/32 x 13/16 Ga.
27	STD561210	Pin Cotter 1/8 x 3/4 CAD.
28	175765	Rod, Parking Brake
29	71673	Cap, Parking Brake
30	174973	Bracket, Transaxle
32	74760512	Bolt Hex Hd 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, Flat
39	72110622	Bolt Fin Hex 3/8-16 x 2-3/4
41	175556	Keeper, Belt Idler
47	127783	Pulley, Idler, V-Groove
48	154407	Bellcrank, Clutch
49	123205X	Retainer, Belt
50	72110612	Bolt Carr 3/8-16 x 1-1/2
51	STD541437	Nut Crownlock 3/8-16 unc
52	STD541431	Nut, Crownlock 5/16-18 unc
53	199652	Link, Clutch
55	105709X	Spring, Return, Clutch
56	17060620	Screw 3/8-16 x 1-1/4
57	401603	V-Belt
59	169691	Keeper, Center Span
61	17120614	Screw, 3/8-16 x .875
62	8883R	Cover, Pedal
63	175410	Pulley, Engine
64	173937	Bolt Hex 7/16-20 x 4 Gr. 5-1.5
65	STD551143	Washer
66	154778	Keeper Belt Engine Hydro
69	142432	Screw Hex Wsh Hi-Lo 1/4 x 1/2
70	134683	Keeper Belt Engine
75	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
76	STD581075	E-Ring
77	123583X	Key, Square
78	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
79	2228M	Key Woodruff
80	131488	Arm Shift
81	165594	Shaft Asm Cross Tapered
82	165711	Spring Torsion
83	19171216	Washer 17/32 x 3/4 x 16 Ga.
84	166229	Link Transaxle
85	150360	Nut Lock Center 1/4-20
89	192053X428	Console, Shift
96	4497H	Retainer Spring 1" Zinc/Cad
112	19091210	Washer 9/32 x 3/4 x 10 Ga.
113	127285X	Strap Torque 90 Degrees
116	72140608	Bolt Rdhd Sqneck 3/8-16 x 1.25
120	73900600	Nut Lock Flg 3/8-16
150	175456	Spacer Retainer
151	19133210	Washer 13/32 x 2 x 10 Ga.
156	166002	Washer Srrted 5/16 ID x 1.125
158	165589	Bracket Shift Mount
159	183900	Hub Shift
161	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr.
162	73680400	Nut Crownlock 1/4-20 unc
163	74780416	Bolt Hex Fin 1/4-20 unc x 1 Gr. 5
165	165623	Bracket Pivot Lever
166	17490510	Screw 5/16-18 x 5/8
168	165492	Bolt Shoulder 5/16-18 x .561
169	165580	Plate Fastening
170	187414	Keeper Belt T/A
197	169613	Nyliner Snap-In 5/8"ID
198	169593	Washer Nyl
202	72110614	Bolt Carr Sh 3/8-16 x 1-3/4 Gr. 5
212	145212	Nut Hex Flg. Lock
263	17000612	Screw 3/8-16 x 3/4
268	182402	Guard Muffler
275	19131614	Washer 13/32 x 1 x 14 Ga.

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

STEERING ASSEMBLY



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

STEERING ASSEMBLY

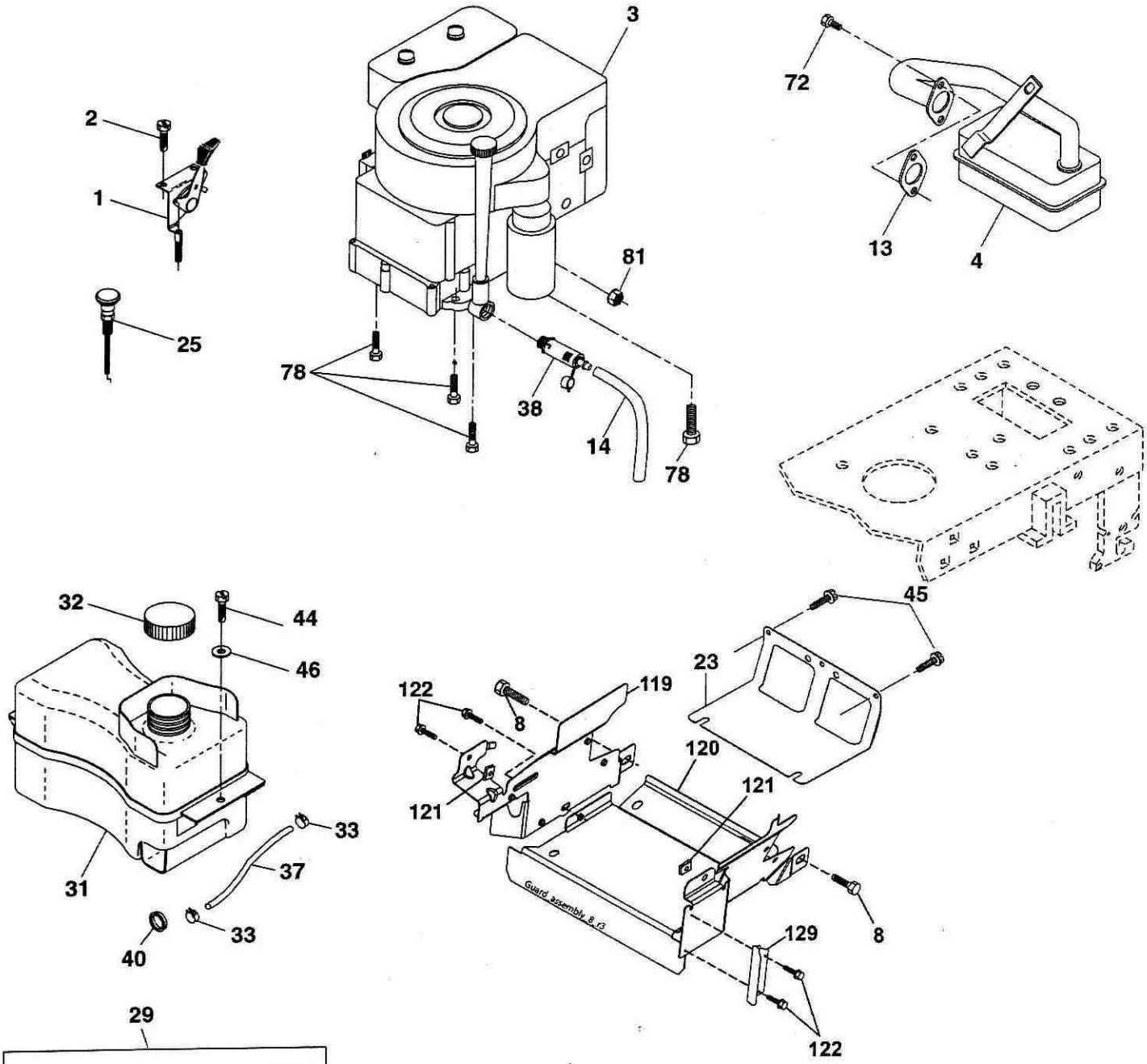
KEY NO.	PART NO.	DESCRIPTION
1	186780	Steering Wheel
2	418168	Axle Assembly
3	169840	Spindle Assembly, L.H.
4	169839	Spindle Assembly, R.H.
5	6266H	Bearing, Race, Thrust, Hardened
6	121748X	Washer 27/32 x 1-1-1/4 x 16 Ga.
7	19272016	Washer 25/32 x 1-1/2 x 14 Ga.
8	12000029	Ring, Klip
9	3366R	Bearing Col. Strg.
10	175121	Draglink
11	STD551137	Washer, Lock
13	136518	Spacer Brg Axle Front
15	145212	Nut, Hexflange Lock
17	190753	Shaft, 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
32	192757	Rod, Tie
34	10040500	Washer Lock Hvy Hlcl Spr. 5/16
36	155099	Bushing, Steering
37	152927	Screw
38	186781	Insert, Steering Wheel
39	19113812	Washer 11/32 x 2-3/8 x 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	190752	Extension Shaft Steering
46	121232X	Cap, Spindle
65	414736	Spacer Brace Axle
67	72110618	Bolt Rdhd Sqnk 3/8-16 x 2-1/4
68	169827	Axle, Brace
71	175146	Steering Asm
82	199978	Bracket Susp Chassis Front
88	175118	Bolt Shoulder 7/16-20
91	175553	Clip Steering
95	188967	Washer Hardened .793 x 1.637 x .060
97	74780564	Bolt 5/16-18 unc x 4 Gr. 5

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

ENGINE



OPTIONAL EQUIPMENT

Spark Arrester

engine-stlt_bs_2

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

ENGINE

KEY NO.	PART NO.	DESCRIPTION
1	170545	Control, Throttle/Choke
2	17720408	Screw, Hex Head, Thread Cutting 1/4-20 x 1/2
3	- - - - - -	Engine, Briggs Model No. 31A607-0740-B1
4	137352	Muffler
8	171877	Bolt 5/16-18 x 3/4
13	165291	Gasket
14	148456	Tube Drain Oil Easy
23	169837	Shield Brn/Dbr Guard
25	187770X428	Control Choke
29	137180	Arrestor, Spark
31	407516	Tank, Fuel
32	197725	Cap Assembly, Fuel
33	123487X	Clamp, Hose
37	137040	Line, Fuel
38	181654	Plug, Drain Oil Easy
40	124028X	Bushing Snap
44	17670412	Screw, Hex Washer Head, Thd., Roll. 1/4-20 x 3/4
45	17000612	Screw Hex Wsh Thdr 3/8-16 x 3/4
46	19091416	Washer 9/32 x 7/8 x 16 Ga.
72	192334	Screw Socket 5/16-18 x.75
78	17060620	Screw 3/8-16 x 1-1/4
81	73510400	Nut Keps Hex 1/4-20 unc
119	197949	Guard Asm Engine LH
120	410543	Guard Asm Engine RH
121	196688	Clip Threaded
122	137729	Screw 1/4-20 x 5/8
129	400328	Guard Pulley Engine Adapter

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

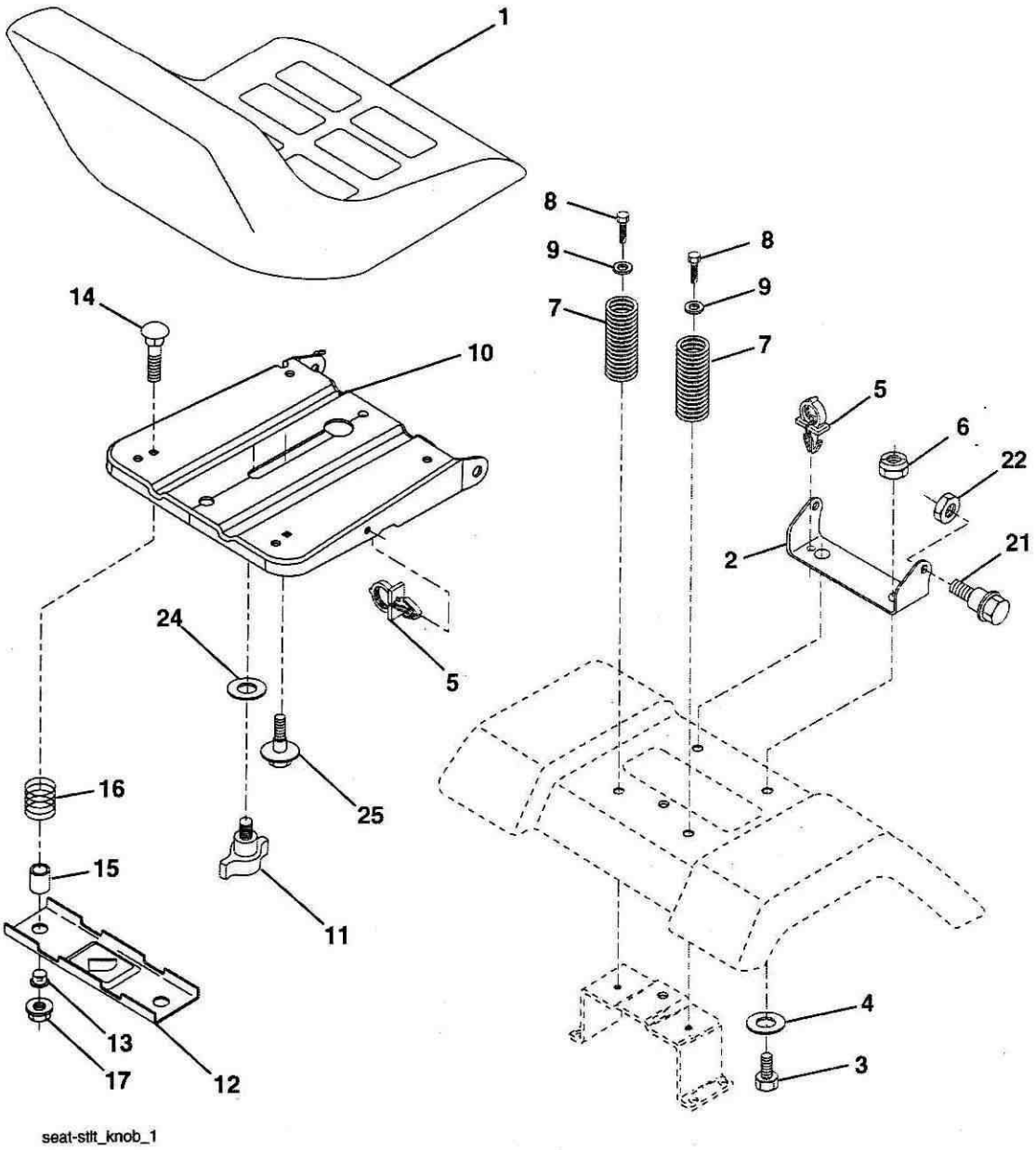
Engine Power Rating Information

The gross power rating for individual gas engine models is labeled in accordance with SAE (Society of Automotive E neers) code J11940 (Small Engine Power & Torque Rating Procedure), and rating performance has been obtained a corrected in accordance with SAE J1995 (Revision 2002-5). Actual gross engine power will be lower and is affected among other things, ambient operating conditions and engine-to-engine variability. Given both the wide array of proc ucts 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" o net horsepower). This difference is due to a variety of factors including, but not limited to, accessories (air cleaner, e haust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperatu 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.

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

SEAT ASSEMBLY



seat-stlt_knob_1

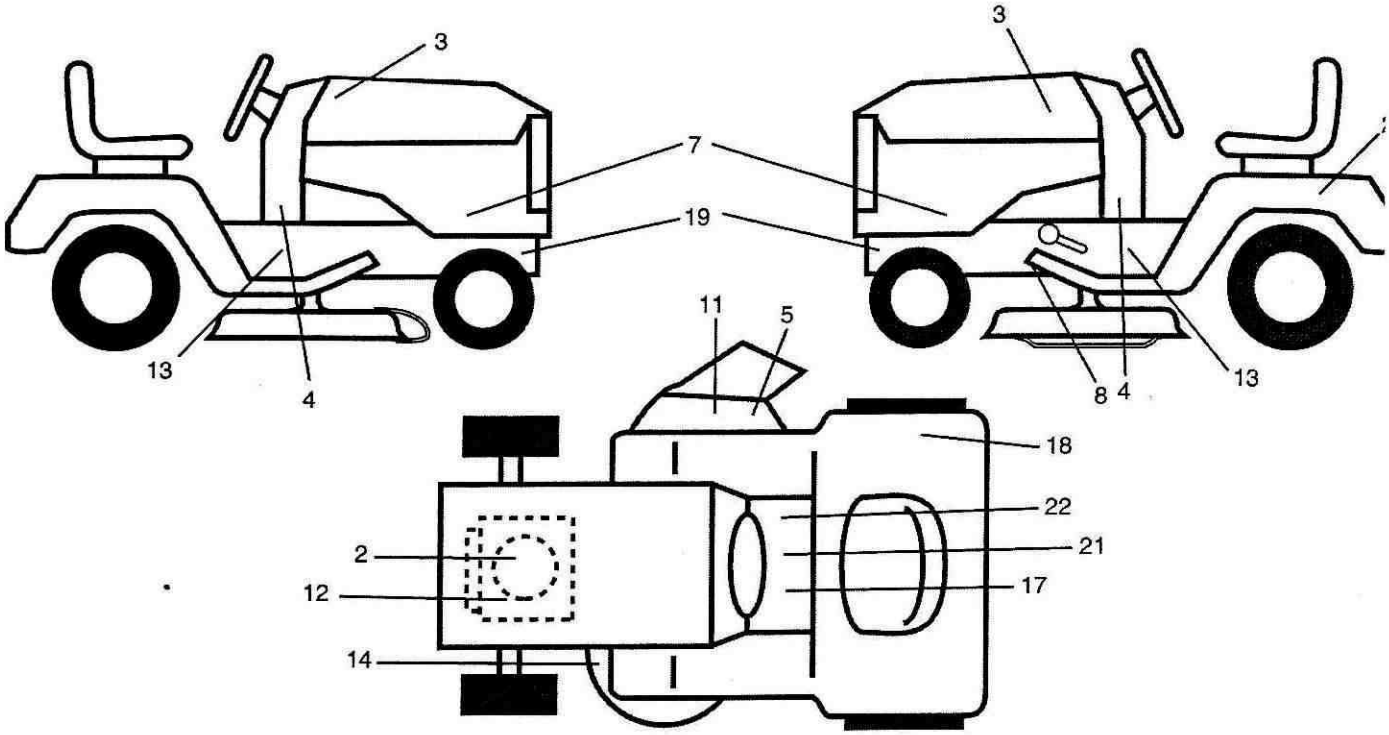
KEY NO.	PART NO.	DESCRIPTION
1	401042	Seat
2	140551	Bracket, Pivot, Seat
3	71110616	Bolt
4	19131610	Washer 13/32 x 1 x 10 Ga.
5	145006	Clip, Push-In Hinged
6	STD541437	Nut
7	124181X	Spring, Seat
8	17000616	Screw 3/8-16 x 1-1/2
9	19131614	Washer 13/32 x 1 x 14 Ga.
10	195530	Pan, Seat
11	166369	Knob Seat
12	174648	Bracket, Switch Mounting
13	121248X	Bushing, Snap
14	72050412	Bolt, Carriage 1/4-20 x 1-1/2
15	134300	Spacer, Split .28 x .88
16	121250X	Spring
17	123976X	Locknut, Flange 1/4 Gr. 5
21	171852	Bolt, Shoulder 5/16-18 unc
22	STD541431	Nut
24	19171912	Washer 17/32 x 1-3/16 x 12 Ga.
25	127018X	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. 253100

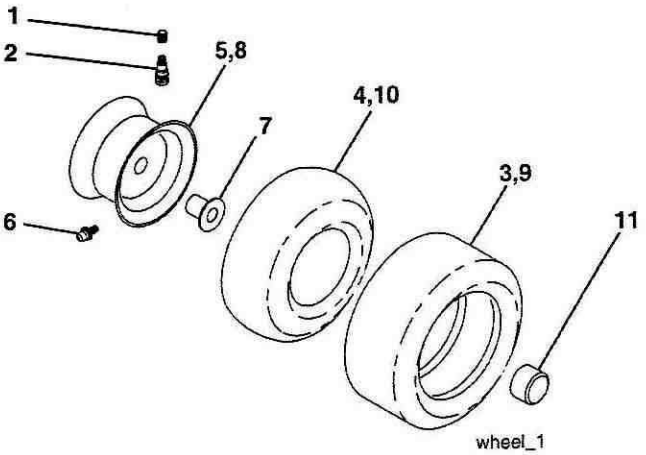
DECALS



KEY NO.	PART NO.	DESCRIPTION
2	416729	Decal, HP Engine
3	411697	Decal, Hood
4	181685	Decal, Lower Dash
5	196357	Decal, Warning
7	411698	Decal, Hood Side
8	197490	Decal, V-Belt Schematic
11	182166	Decal, Cutfinger CE
12	196841	Decal, Warning. Sym.
13	196842	Decal, Cutfinger
14	194302	Decal, V-Belt Schematic

KEY NO.	PART NO.	DESCRIPTION
17	400389	Decal, Warning Sym. CE
18	180432	Decal, Fender DB/CE
19	159736	Decal, Hot Muffler
20	145005	Decal, Battery Dngr/Psn Eng
21	159737	Decal, Brake/Clutch Sym
22	140837	Decal, Saddle Brake/Parking
- -	138311	Decal, Lift Handle
- -	162598	Decal, Load Limit
- -	418990	Manual, Operator's (Euro)
- -	418991	Manual, Parts

WHEELS & TIRES



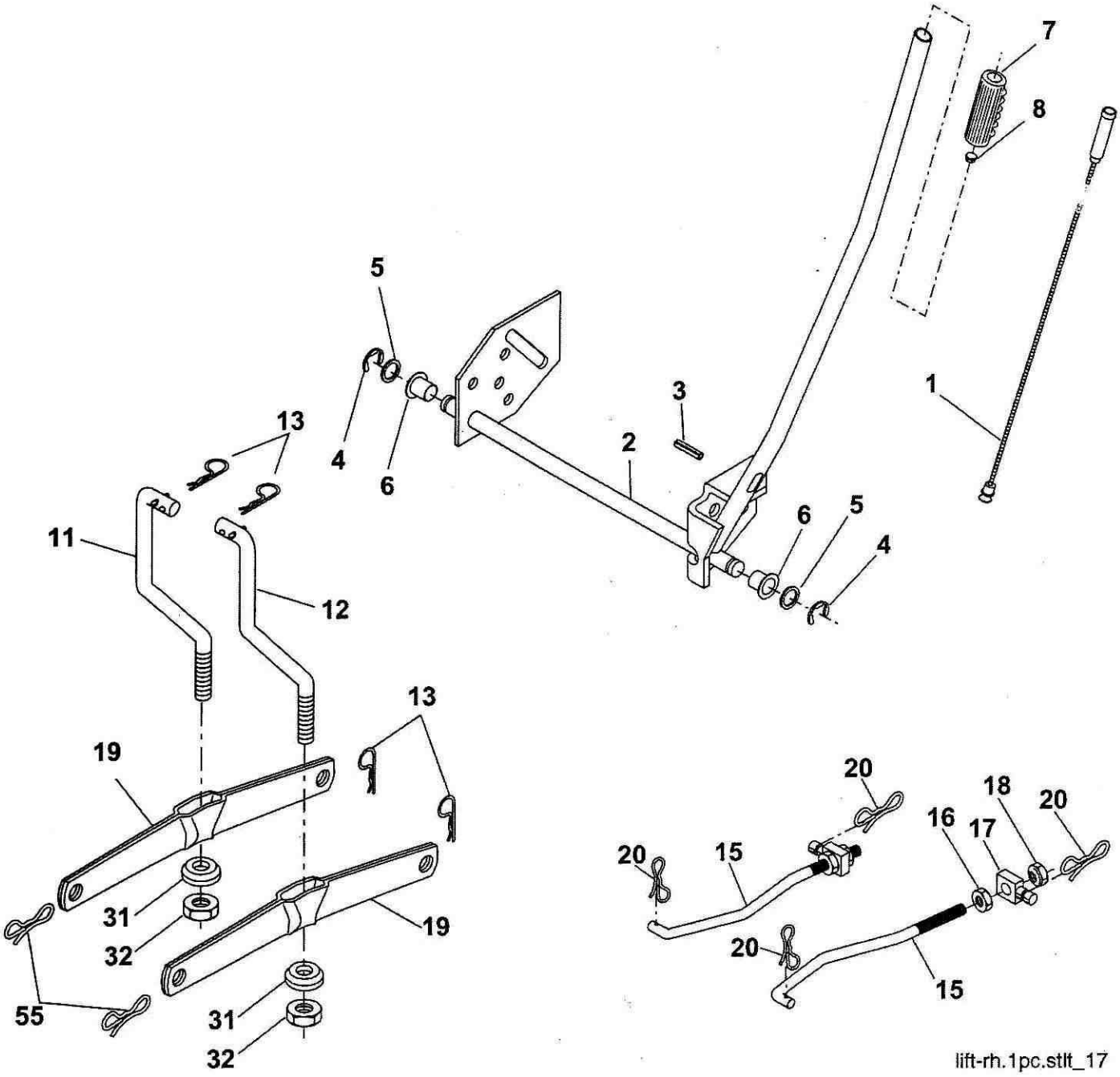
KEY NO.	PART NO.	DESCRIPTION
1	59192	Valve Cap, Tire
2	65139	Stem, Valve
3	124157X	Tire, Front
4	59904	Tube, Front Tire (Not Provided, Service Item Only)
5	106732X624	Rim, Front
6	278H	Fitting, Grease (Front Wheel Only
7	9040H	Bearing, Flange (Front Wheel Onl
8	106108X624	Rim, Rear
9	123969X	Tire, Rear
10	7152J	Tube, Rear Tire (Not Provided, Service Item Only)
11	104757X428	Cap, Axle
- -	144334	Sealant, Tire 10 oz.

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

MOWER LIFT



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

MOWER LIFT

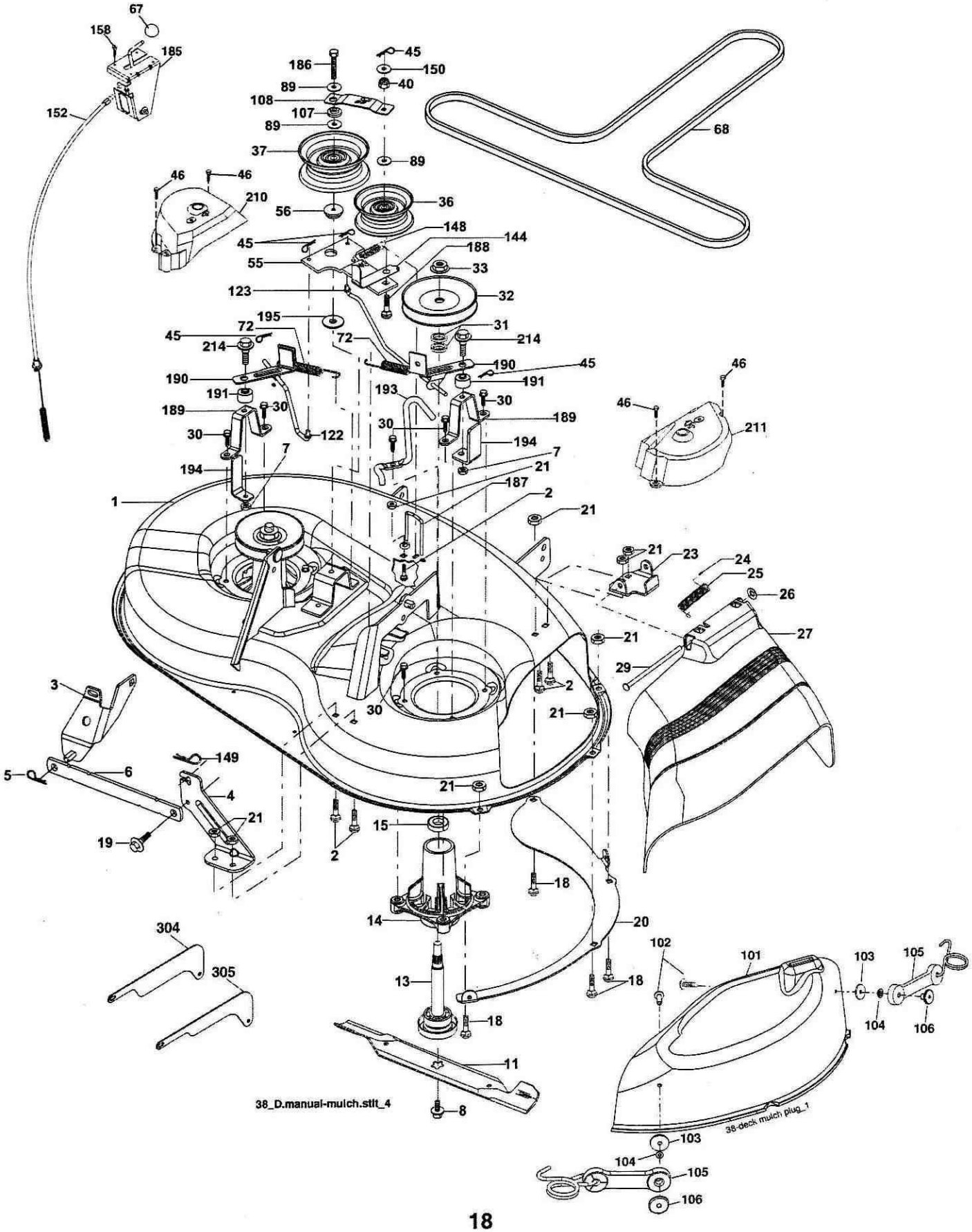
KEY NO.	PART NO.	DESCRIPTION
1	159460	Lift Lever Inner Wire Assembly
2	159471	Shaft Assembly, Lift
3	105767X	Pin, Groove
4	12000002	E-Ring
5	19211621	Washer 21/32 x 1 x 21 Ga.
6	120183X	Bearing, Nylon
7	125631X	Grip, Handle, Fluted
8	122365X	Button, Plunger, Red
11	139865	Link, Lift, L.H.
12	139866	Link, Lift, R.H.
13	STD624008	Retainer Spring
15	173288	Link, Front
16	73350800	Nut, Hex, Jam 1/2-13 unc
17	175689	Trunnion
18	73800800	Locknut, Hex, with Washer Insert 1/2-13 unc
19	139868	Arm, Suspension, Rear
20	194209	Pin Cotter 7/16 Bow Tie Lock
31	169865	Bearing, Pvt, Lift
32	73540600	Nut, Crownlock 3/8-24
55	194208	Pin Cotter 5/16 Bow Tie Lock

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

MOWER DECK



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

MOWER DECK

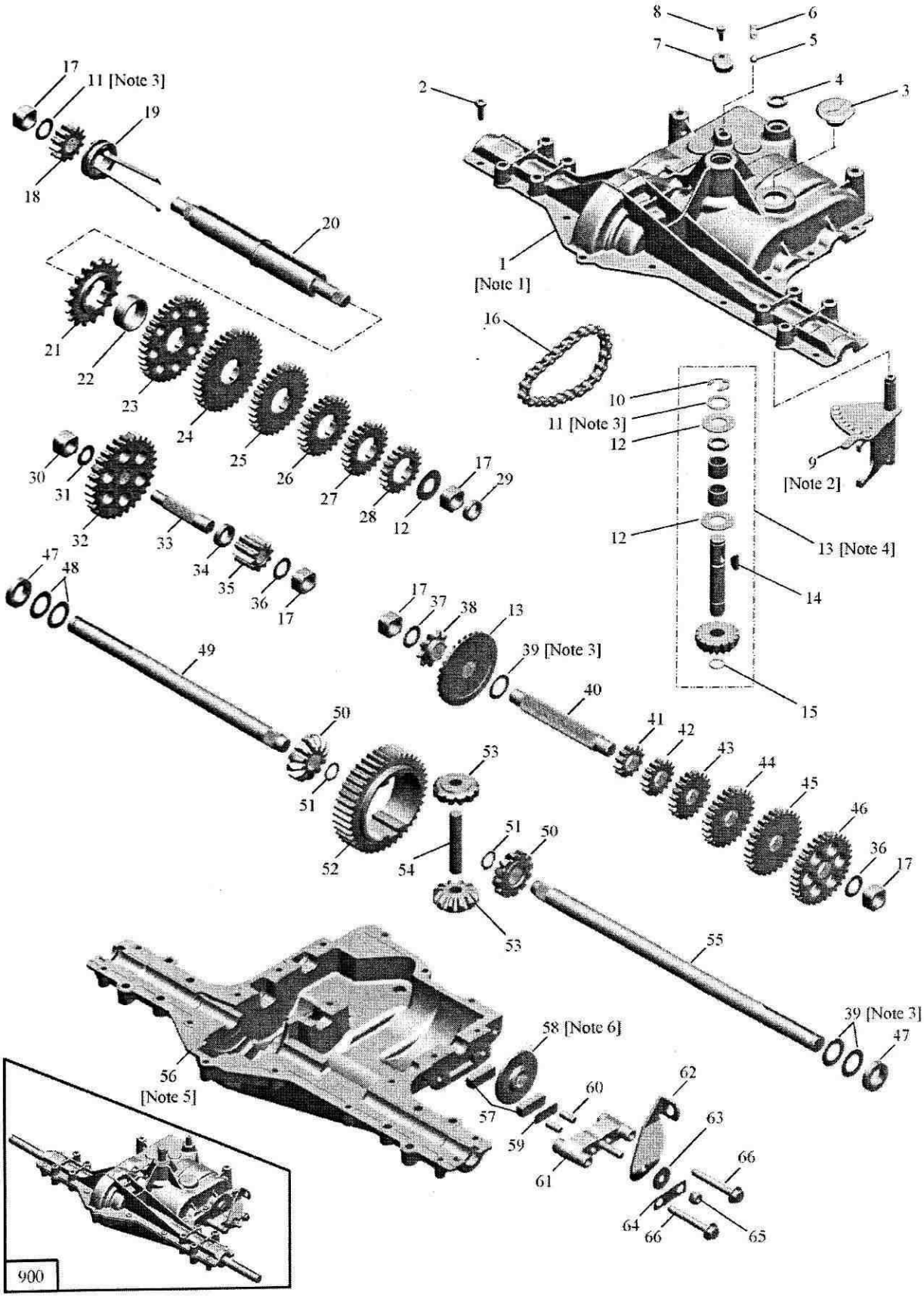
KEY NO.	PART NO.	DESCRIPTION
1	19 2556	Mower Housing Assembly
2	72140506	Bolt Carriage 5/16-18 x 3/4
3	138017	Bracket Asm Fr. Sway Bar
4	192568	Bracket Deck Sway Bar 38"/42"
5	STD624008	Retainer Spring
6	178024	Bar Sway Deck
7	73800500	Nut Lock Hx W/INs. 5/16-18 unc
8	193003	Bolt 3/8-24 x 1.25 Gr. 8
11	193957	Blade Mower
13	192872	Shaft Assembly, Mandrel, Vented
14	187281	Housing, Mandrel, Vented
15	110485X	Bearing, Ball, Mandrel
18	72140505	Bolt Rdhd Sqnk 5/16-18 x 5/8
19	132827	Bolt, Shoulder
20	400095	Baffle Vortex Front
21	73680500	Nut
23	192557	Bracket, Mower Deflector
24	105304X	Cap, Sleeve
25	197026	Spring, Torsion, Deflector
26	110452X	Nut, Push
27	192572X428	Shield, Deflector
29	131491	Rod, Hinge
30	173984	Screw Thdrol.
31	187690	Washer, Spacer
32	153532	Pulley, Mandrel
33	400234	Nut, Toplock
36	131494	Pulley, Idler, Flat
37	193198	Pulley Idler Flat
40	73680600	Nut, Crownlock 3/8-16 unc
45	STD624003	Retainer
46	137729	Screw
55	133840	Idler Arm Assembly
56	165723	Spacer, Retainer
67	149846	Knob
68	193214	V-Belt
72	193216	Spring Brake Return
89	19131311	Washer 13/32 x 13/16 x 11 Ga.
101	192573	Cover Mulching
102	71081010	Screw Pan Hd Phillip 10-24 x 5/8
103	19061216	Washer #10
104	10071000	Washer Lock
105	160793	Latch Asm.
106	2029J	Nut Weld .327/.304 #10-24
107	133502	Spacer Retainer
108	133503	Stiffener, Idler Arm
122	410189	Link, Brake LH
123	410190	Link, Brake RH
144	193414	Keeper Belt Idler Tension
148	169022	Spring Return Idler
149	165898	Retainer Spring Yellow
150	19091210	Washer 9/32 x 3/4 x 10 Ga.
152	193235	Clutch Cable 38"/46"
158	17720408	Screw Hex Thd Cut 1/4-20 x 1/2
185	188234	Head Asm Cable Clutch
186	17490644	Screw Hex Wsh Thdrol 3/8-16 x 2-3/4
187	193412	Keeper Belt
188	165891	Bolt Carriage Idler
189	192559	Stand, Brake
190	192560	Arm, Brake
191	192561	Spacer, Brake
193	193413	Keeper Belt RH Mandrel
194	194105	Guard Brake
195	19133210	Washer
210	409256	Cover Mandrel LH
211	409257	Cover Mandrel RH
214	193782	Bolt/Washer Asm 5/16-18
304	410520	Shield Side LH
305	410521	Shield Side RH
- -	192558	Brake Assembly (Includes Stand, Arm and Guard Components)
- -	192870	Mandrel Assembly (Includes housing, shaft assembly, and bearing only - pulley/nut/washer and blade bolt/washers not included)
- -	193646	Replacement Mower, Complete

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

DANA TRANSAXLE - MODEL NUMBER D6800-2



REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

DANA TRANSAXLE - MODEL NUMBER D6800-2

KEY NO.	PART NO.	DESCRIPTION
1	407112	Assy, Kit, Housing, Upper
2	2274J	Screw, Tapping, 1/4-20 x .734
3	407113	Plug, Rubber
4	407114	Seal, Oil
5	190973	Ball, Detent
6	190974	Spring, Detent
7	407115	Cover, Detent
8	190975	Screw, Tapping, No. 10-24 x .482
9	407116	Assy, Shifter
10	2225J	Ring, Retaining
11	134793	Assy, Kit, Shim, .625 Shaft
12	120415X	Washer, Plain, .632 x 1.38 x .046
13	6753	Assy, Kit, Input Shaft & Bevel & Pinion
14	142674	Key, Woodruff, No. 606
15	134383	Ring, Retaining
16	105910X	Chain, 24 Pitches
17	407118	Bushing, .626 x .874 Sq x .560
18	407119	Gear, Spur, 12T
19	407120	Assy, Collar, Shift
20	407121	Shaft, Intermediate, RH Brake
21	120470X	Sprocket, 18T
22	407122	Spacer, 1.131 x 1.45 x .580
23	142677	Gear, Spur, 37T
24	142681	Gear, Spur, 35T
25	124644X	Gear, Spur, 30T
26	108980X	Gear, Spur, 25T
27	120406X	Gear, Spur, 22T
28	134796	Gear, Spur, 19T
29	407123	Seal, Oil
30	407124	Bushing, .501 x .874 Sq x .650
31	120467X	Washer, Plain, .505 x .942 x .040
32	407125	Gear, Spur, 30T
33	407126	Shaft, Idler
34	407127	Spacer, .633 x 1.00 x .260
35	134418	Gear, Spur, 10T
36	2228J	Washer, Plain, .632 x 1.00 x.046
37	2230J	Washer, Plain, .632 x 1.00 x .036
38	105928X	Sprocket, 9T
39	134394	Assy, Kit, Shim, .750 Shaft
40	407128	Shaft, Drive
41	142678	Gear, Spur, 12T
42	143697	Gear, Spur, 15T
43	124641X	Gear, Spur, 20T
44	106589X	Gear, Spur, 25T
45	120408X	Gear, Spur, 28T
46	105937X	Gear, Spur, 31T
47	407129	Seal, Oil
48	2264J	Washer, Plain, .758 x 1.25 x .031
49	407130	Axle, LH
50	190987	Gear, Miter, 12T, Splined
51	160948	Ring, Retaining
52	134419	Gear, Spur, 41T
53	460949	Gear, Miter, 12T, Idler
54	120952X	Shaft, Cross
55	407131	Axle, RH
56	407132	Housing, Lower
57	407133	Assy, Kit, Friction Puck
58	407134	Disc, Brake
59	108989X	Spacer, Brake Puck
60	120954X	Pin, Dowel
61	160952	Jaw, Brake
62	138244	Lever, Actuating
63	108996X	Washer, Plain, .321 x 1.00 x .055
64	160954	Bracket, Anti-Rotation
65	73810500	Nut, Lock, 5/16-24
66	160953	Screw, Tapping, 5/16-18 x 2.35
900	402719	Transaxle

Notes:

[1] Includes 7072, 5272, 7101, 840052, 7057, 7089.

[2] Anti-Seize lubricant to be applied to top surface of 667 Shifter Assembly (use Bostik Never-Seez or equivalent

[3] Use in various combinations to maintain proper clearances.

[4] Includes 1106, 1746, 3876, 3956, 4689, 5272, 7073, 7074, 7057.

[5] Silicone Sealant to be applied between Upper and Lower Housings (use Loctite Ultra Gray Silicone 569 or equivalent).

[6] Anti-Seize lubricant to be applied to id of 7103 Brake Disc (use Bostik Never-Seez or equivalent).

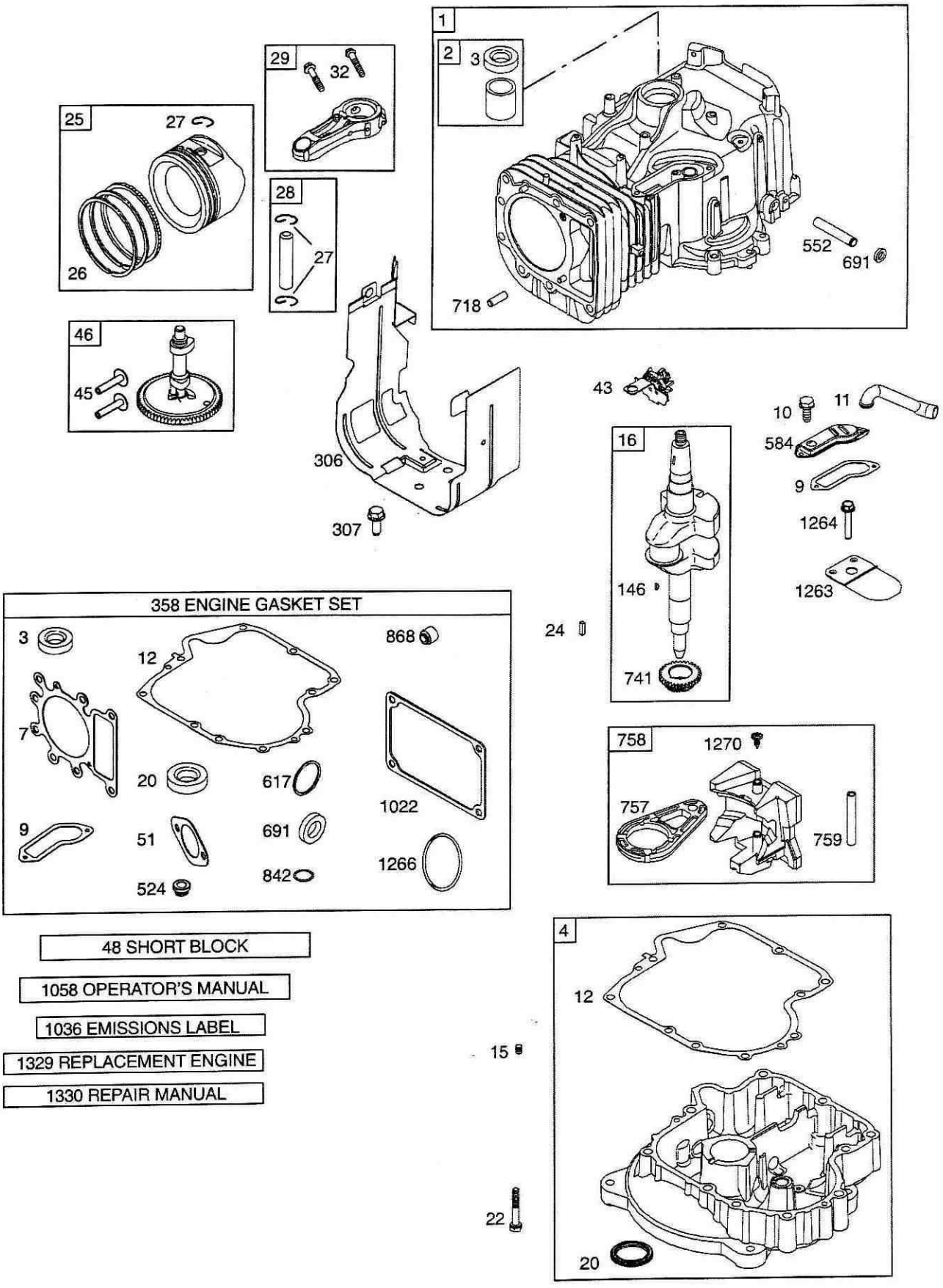
[7] Refill Transaxle with (10) ounces 80W90 gear lube.

NOTE: All Component Dimensions Given In U.S. Inche
1 Inch = 25.4 mm

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

BRIGGS AND STRATTON ENGINE - MODEL NO. 31A607-0740-B1



48 SHORT BLOCK

1058 OPERATOR'S MANUAL

1036 EMISSIONS LABEL

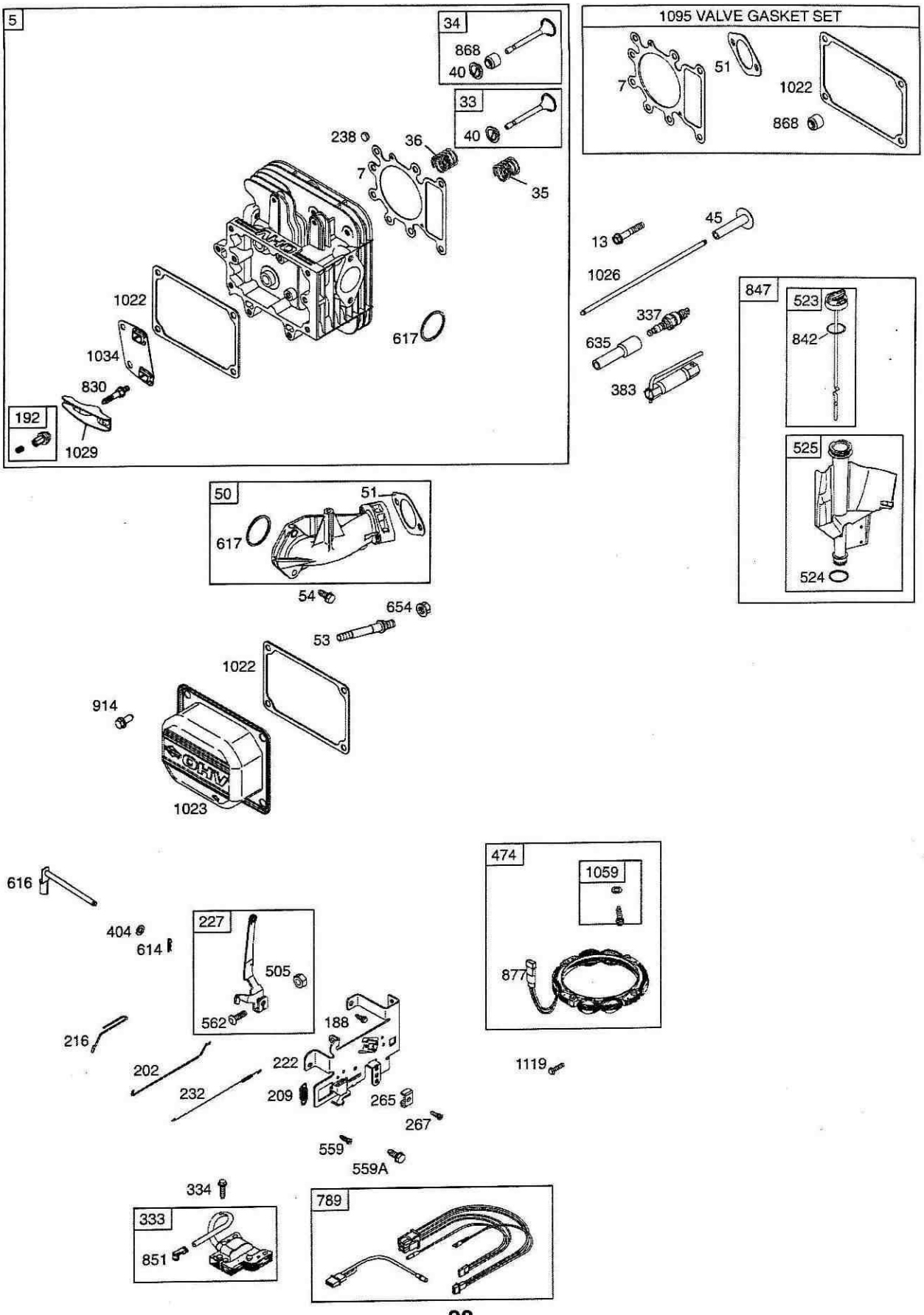
1329 REPLACEMENT ENGINE

1330 REPAIR MANUAL

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

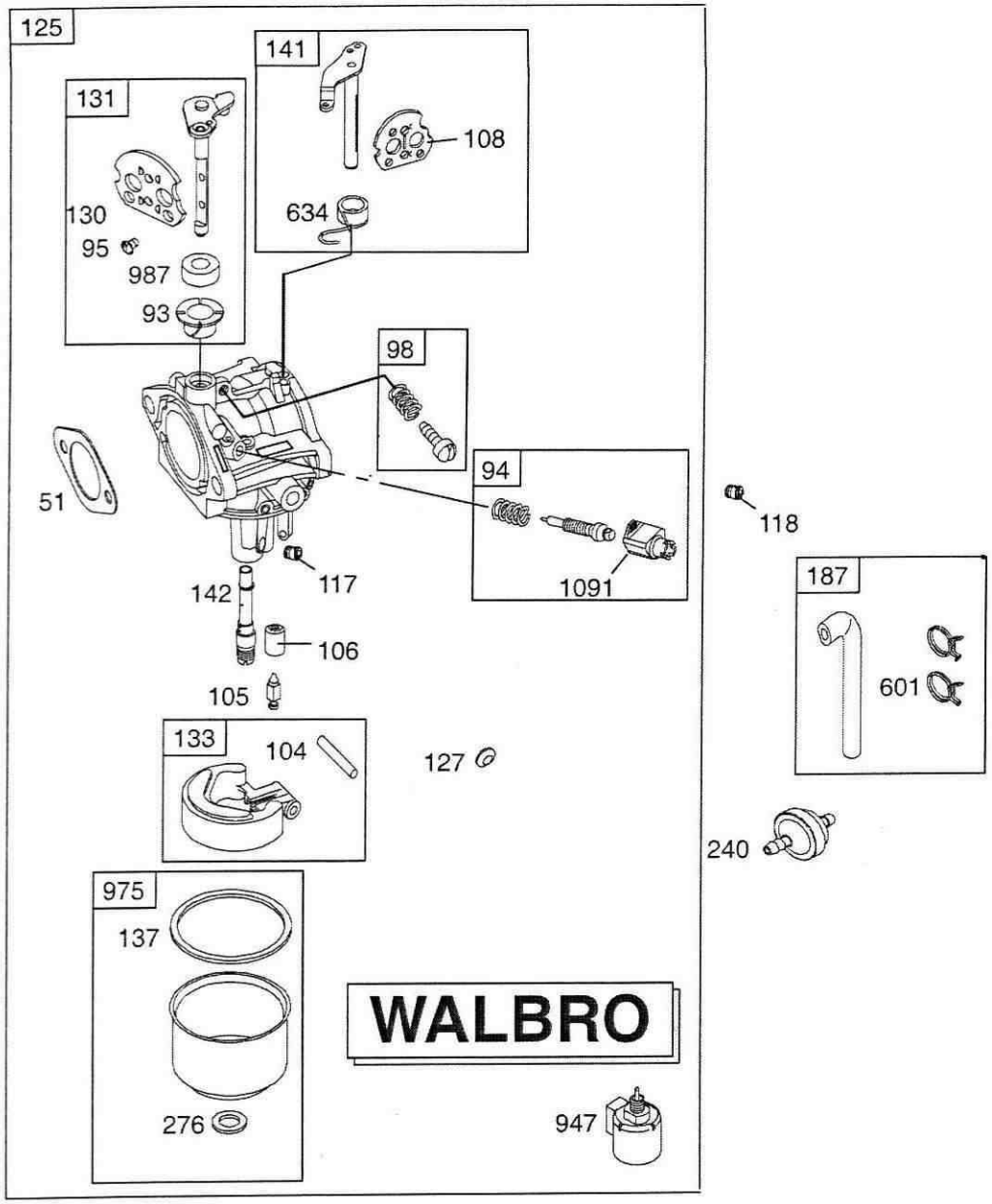
BRIGGS AND STRATTON ENGINE - MODEL NO. 31A607-0740-B1

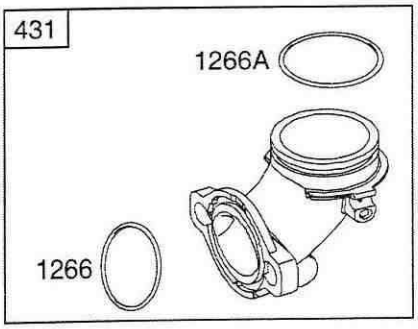


REPAIR PARTS

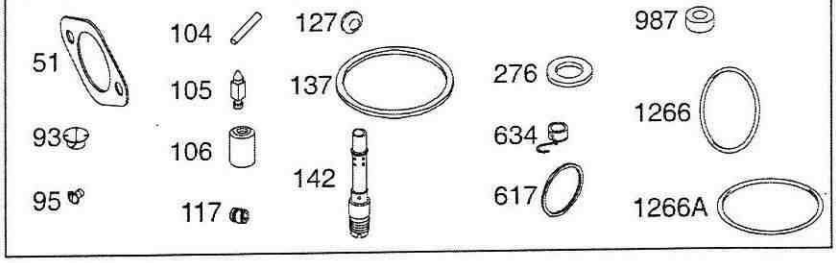
TRACTOR- -MODEL NO. 917. 253100

BRIGGS AND STRATTON ENGINE - MODEL NO. 31A607-0740-B1

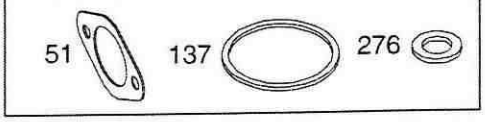




121 CARBURETOR OVERHAUL KIT



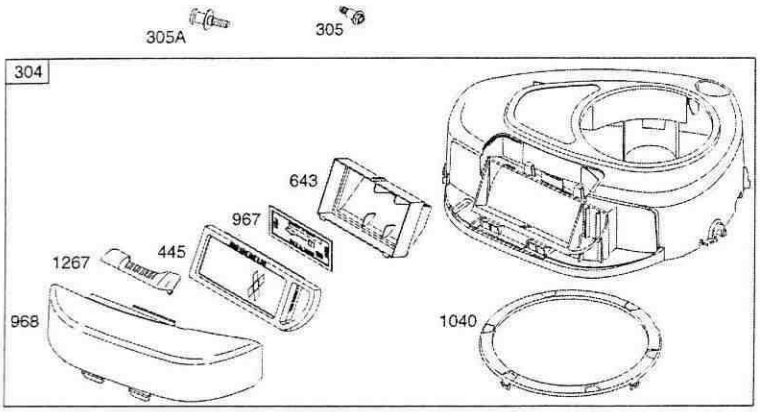
977 CARBURETOR GASKET SET

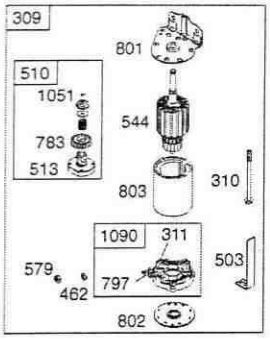


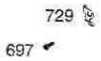
REPAIR PARTS

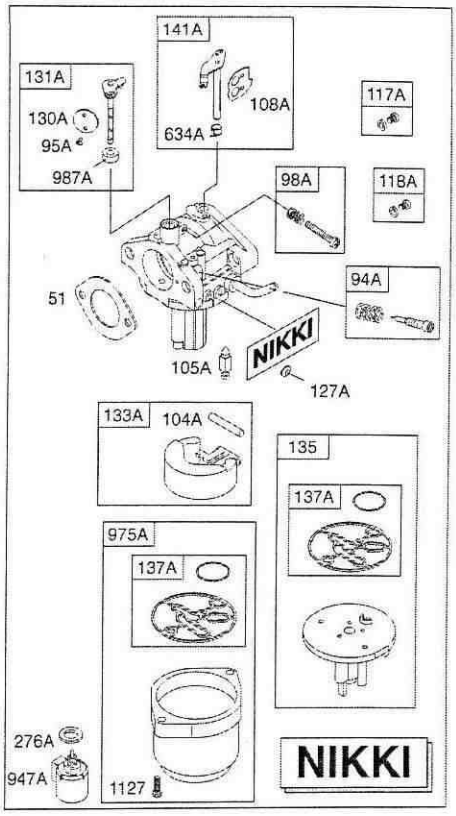
TRACTOR- -MODEL NO. 917. 253100

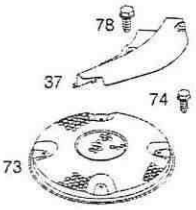
BRIGGS AND STRATTON ENGINE - MODEL NO. 31A607-0740-B1

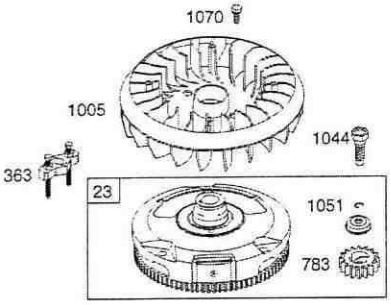


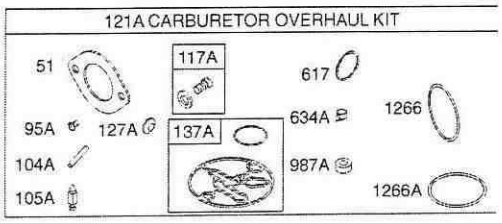












REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

BRIGGS AND STRATTON ENGINE - MODEL NO. 31A607-0740-B1

KEY NO.	PART NO.		DESCRIPTION
1	793987		Cylinder Assembly
2	399265		Kit-Bushing/Seal (Magneto Side)
3	391086s	•	Seal-Oil (Magneto Side)
4	697106		Sump-Engine
5	793989		Head-Cylinder
7	699168	•+	Gasket-Cylinder Head
9	697109	•	Gasket-Breather
10	697157		Screw (Breather Assembly)
11	697113		Tube-Breather
12	697110	•	Gasket-Crankcase
13	793988		Screw (Cylinder Head)
15	690946		Plug-Oil Drain
16	697127		Crankshaft
20	791892	•	Seal-Oil (PTO Side)
22	692125		Screw (Crankcase Cover/Sump)
23	693557		Flywheel
24	222698s		Key-Flywheel
25	792507		Piston Assembly (Standard)
	792648		Piston Assembly (.020" Oversize)
26	791936		Ring Set (Standard)
	791947		Ring Set (.020" Oversize)
27	698469		Lock-Piston Pin
28	697099		Pin-Piston
29	791631		Rod-Connecting (Standard)
32	791118		Screw (Connecting Rod)
33	791934		Valve-Exhaust
34	791935		Valve-Intake
35	691279		Spring-Valve (Intake)
36	691279		Spring-Valve (Exhaust)
37	697352		Guard-Flywheel
42	499586		Keeper-Valve
43	691968		Slinger-Governor/Oil
45	690564		Tappet-Valve
46	793583		Camshaft
48	697761		Short Block
50	690193		Manifold-Intake
51	692137	•Ø‡+	Gasket-Intake
53	690227		Stud (Carburetor)
54	691148		Screw (Intake Manifold)
73	697133		Screen-Rotating
74	697897		Screw (Rotating Screen)
78	691003		Screw (Flywheel Guard)
93	690602	Ø	Bushing-Throttle Shaft (Walbro)
94	498030		Kit-Idle Mixture (Walbro)
94A	695425		Kit-Idle Mixture (Nikki)
95	691636	Ø	Screw (Throttle Valve) (Walbro)
95A	690718	Ø	Screw (Throttle Valve) (Nikki)
98	495800		Kit-Idle Speed (Walbro)
98A	695408		Kit-Idle Speed (Nikki)
104	690525	Ø	Pin-Float Hinge (Walbro)
104A	694918	Ø	Pin-Float Hinge (Nikki)
105	231855s	Ø	Valve-Float Needle (Walbro)
105A	696136	Ø	Valve-Float Needle (Nikki)
106	690577	Ø	Seat-Inlet (Walbro)
108	692344		Valve-Choke (Walbro)
108A	695419		Valve-Choke (Nikki)
117	694352	Ø	Jet-Main (Standard) (Walbro)
117A	699457	Ø	Jet-Main (Standard) (Nikki)
118	697228		Jet-Main (High Altitude) (Walbro)
118A	699458		Jet-Main (High Altitude) (Nikki)
121	697241		Kit-Carburetor Overhaul (Walbro)
121A	699521		Kit-Carburetor Overhaul (Nikki)
125	791888		Carburetor (Walbro)
127	695005		Plug-Welch (Walbro)
127A	690727	Ø	Plug-Welch (Nikki)
130	691750		Valve-Throttle (Walbro)
130A	699500		Valve-Throttle (Nikki)
131	494379		Kit-Throttle Shaft (Walbro)
131A	699501		Kit-Throttle Shaft (Nikki)
133	494381		Float-Carburetor (Walbro)
133A	694914		Float-Carburetor (Nikki)
135	698780		Tube-Fuel Transfer (Nikki)
137	281165s	Ø‡	Gasket-Float Bowl (Walbro)
137A	698781	Ø	Gasket-Float Bowl (Nikki)
141	495931		Kit-Choke Shaft (Walbro)
141A	695420		Kit-Choke Shaft (Nikki)
142	697140	Ø	Nozzle-Carburetor (Walbro)
146	691639		Key-Timing
187	791805		Line-Fuel (Molded) (Cut to Required Length)
188	691693		Screw (Control Bracket)
192	691986		Adjuster-Rocker Arm
202	691841		Link-Mechanical Governor
209	692208		Spring-Governor
216	691840		Link-Choke
222	694042		Bracket-Control
227	691374		Lever-Governor Control
232	691842		Spring-Governor
238	691843		Cap-Valve
240	394358s		Filter-Fuel
265	691024		Clamp-Casing
267	792629		Screw (Casing Clamp)
276	692255	Ø‡	Washer-Sealing (Walbro)
276A	695410		Washer-Sealing (Nikki)
304	698402		Housing-Blower
305	697102		Screw (Blower Housing)
305A	793376		Screw (Blower Housing)
306	697107		Shield-Cylinder
307	691003		Screw (Cylinder Shield)
309	693551		Motor-Starter
310	690323		Bolt (Starter Motor)
311	497608		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	89838s		Wrench-Spark Plug
404	691691		Washer (Governor Crank)
431	697122		Elbow-Intake
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
513	692024		Clutch-Drive
523	699908		Dipstick

REPAIR PARTS

TRACTOR- -MODEL NO. 917. 253100

BRIGGS AND STRATTON ENGINE - MODEL NO. 31A607-0740-B1

KEY NO.	PART NO.		DESCRIPTION
524	691032	•	Seal-Dipstick Tube
525	697184		Tube-Dipstick
544			Starter-Armature (For service see Starter Motor 693551)
552	697144		Bushing-Governor Crank
559	697561		Screw (Remote Choke)
559A	693675		Screw (Remote Choke)
562	691119		Bolt (Governor Control Lever)
579	691029		Nut (Starter Cable)
584	697112		Cover-Breather Passage
601	791850		Clamp-Hose
614	691620		Pin-Cotter
616	692012		Crank-Governor
617	692138	Ø •	Seal-O Ring (Intake Manifold)
634	690802	Ø	Spring/Seal Assembly (Walbro)
634A	698779	Ø	Spring/Seal Assembly (Nikki)
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	693242		Link-Counterweight
758	697134		Counterweight
759	697392		Pin-Counterweight
783	693713		Gear-Pinion
789	698329		Harness-Wiring
797	693167		Nut (Brush Retainer)
801	691283		Cap-Drive
802	691286		Cap-End
803			Housing-Starter (For service see Starter Motor 693551)
830	691095		Stud (Rocker Arm)
842	691031	•	Seal-O Ring (Dipstick Tube)
847	790442		Dipstick/Tube Assembly
851	692424		Terminal-Spark Plug
868	690968	•+	Seal-Valve
877	393456		Wire-Connector/Alternator
914	691108		Screw (Rocker Cover)
947	694393		Solenoid-Fuel (Walbro)
947A	699915		Solenoid-Fuel (Nikki)
967	697015		Filter-Pre Cleaner
968	698403		Cover-Air Cleaner
975	495933		Bowl-Float (Walbro)
975A	699502		Bowl-Float (Nikki)
977	690192		Gasket Set-Carburetor
987	691326	Ø	Seal-Throttle Shaft (Walbro)
987A	698777	Ø	Seal-Throttle Shaft (Nikki)
1005	699043		Fan-Flywheel
1022	272475s	•+	Gasket-Rocker Cover
1023	791079		Cover-Rocker Arm
1026	692003		Rod-Push (Intake)
	692011		Rod-Push (Exhaust)
1029	691751		Arm-Rocker
1034	690822		Guide-Push Rod
1036			Label-Emissions (Available from a Briggs & Stratton authorized Service Dealer)
1040	698368		Plate-Trim
1044	698139		Screw (Flywheel)
1051	691265		Ring-Retaining
1058	MS3787		Operator's Manual
1059	698516		Kit-Screw/Washer
1070	690372		Screw (Flywheel Fan)
1090	691293		Retainer-Brush
1091	691333		Cap-Limiter
1095	690190		Gasket Set-Valve
1119	691183		Screw (Alternator)
1127	695407		Screw (Float Bowl) (Nikki)
1263	697124		Reed-Breather
1264	697104		Screw (Breather Reed)
1266	691917	•Ø	Seal-O Ring (Intake Elbow)
1266A	697123	Ø	Seal-O Ring (Intake Elbow)
1267	697419		Latch-Blower Housing
1270	697156		Plug-AVS Counterweight
1329	31B707-0026		Replacement Engine (If the original engine is equipped with a six pin wiring harness transfer to the replacement engine. Transfer Muffler and/or Spark Arrester Assembly from the original engine if suitable for additional service or add new parts as required. Remove 691840 add 790544. Transfer the speed limiter control assembly to the replacement engine. Transfer governor spring to the replacement engine.)
1330	272147		Repair Manual

• Included in Engine Gasket Set, Key. No. 358
Ø Included in Carburetor Overhaul Kit, Key. No. 12 Or 121A
‡ 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