

REPAIR PARTS MANUAL
MODEL NO. 277220
Lawn Tractor



00007

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"

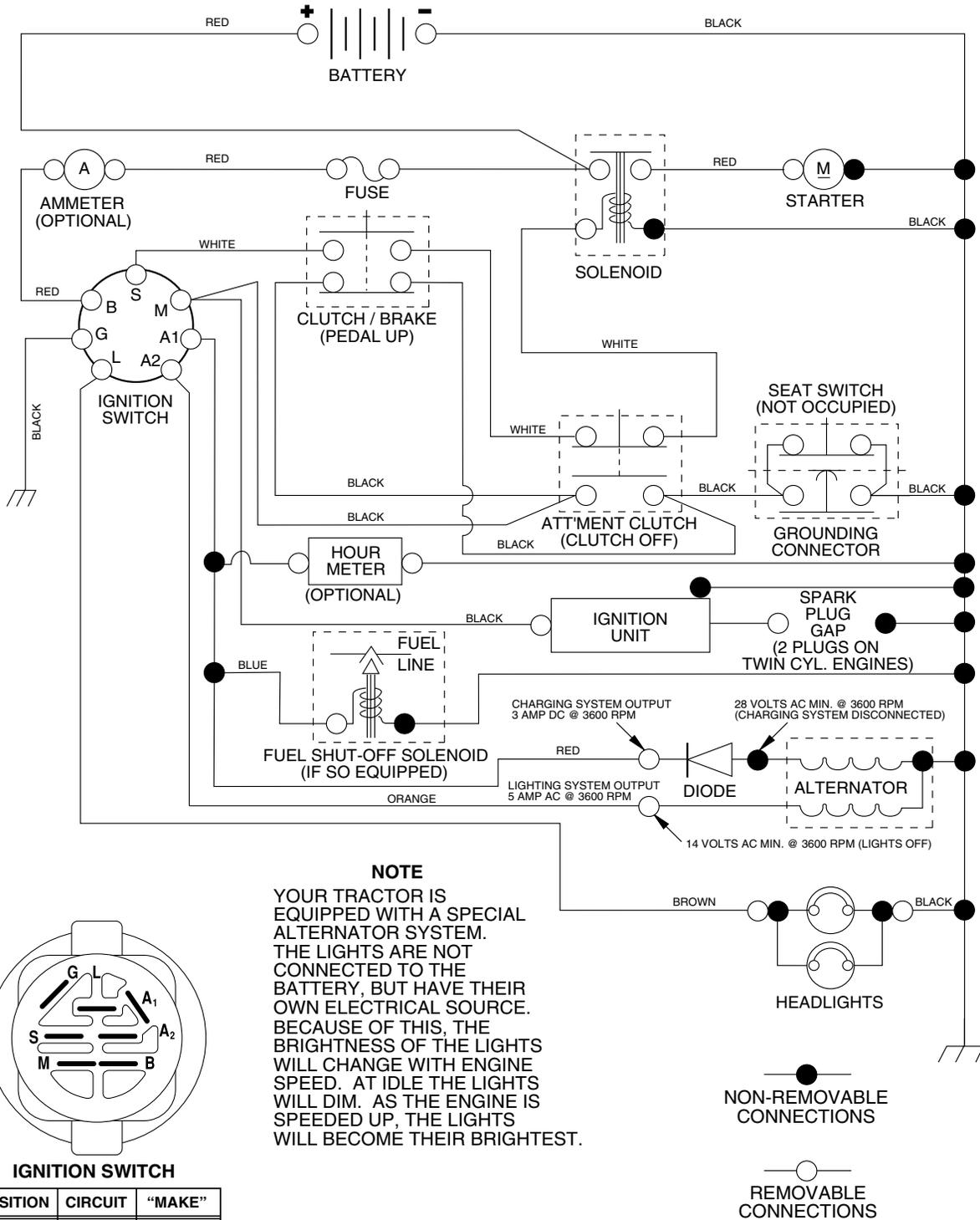
- Model Number - 277220
- Part Number
- Part Description

TABLE OF CONTENTS

SCHEMATIC	3
ELECTRICAL.....	4-5
CHASSIS AND ENCLOSURES.....	6-7
DRIVE.....	8-9
STEERING ASSEMBLY.....	10-11
SEAT ASSEMBLY.....	12
DECALS.....	13
ENGINE.....	14-15
MOWER LIFT.....	16-17
MOWER.....	18-19
TRANSAXLE.....	20-21
ENGINE BREAKDOWN.....	22-26
WARRANTY.....	27

TRACTOR- -MODEL NO. 917.277220

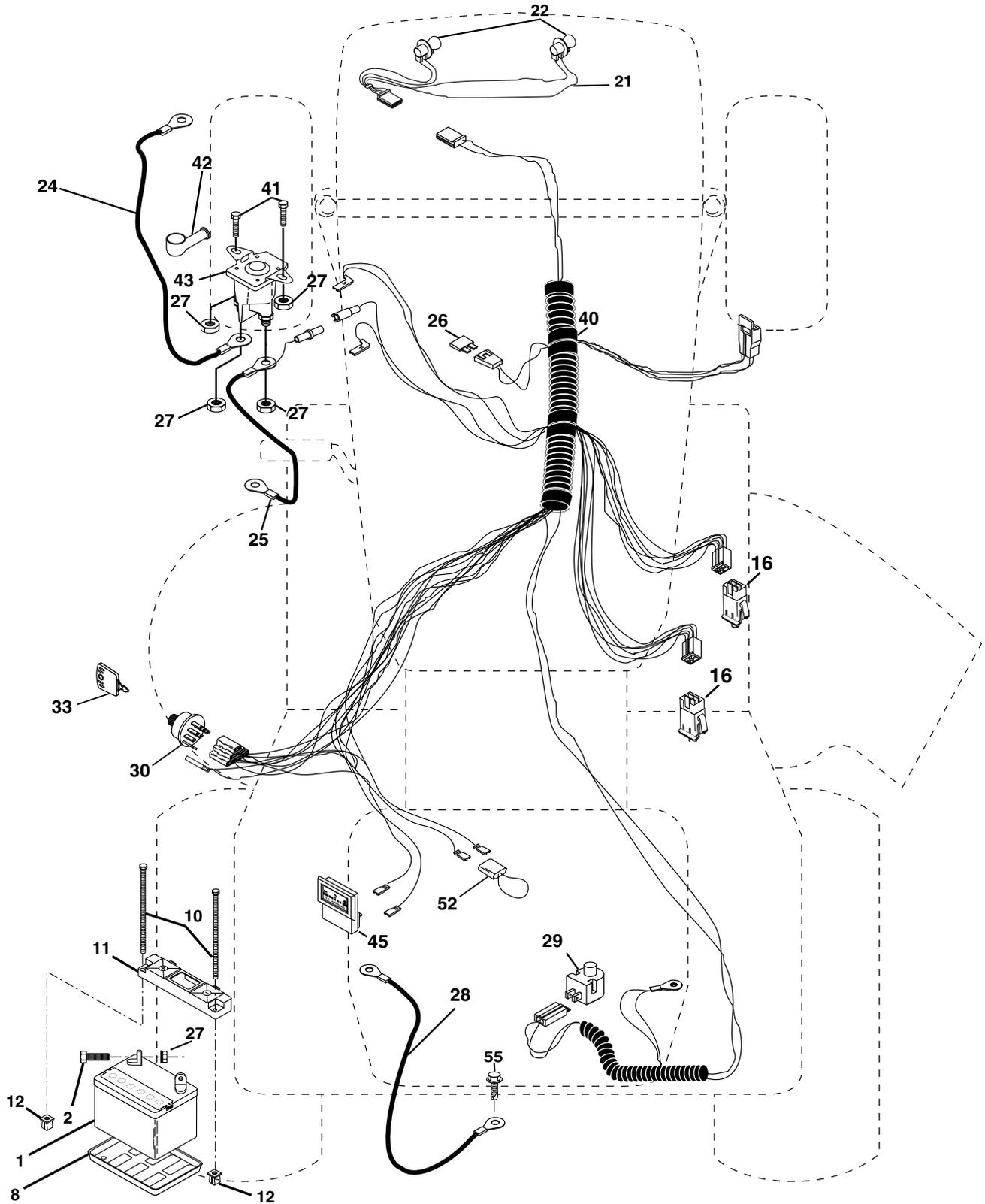
SCHEMATIC



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

ELECTRICAL



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

ELECTRICAL

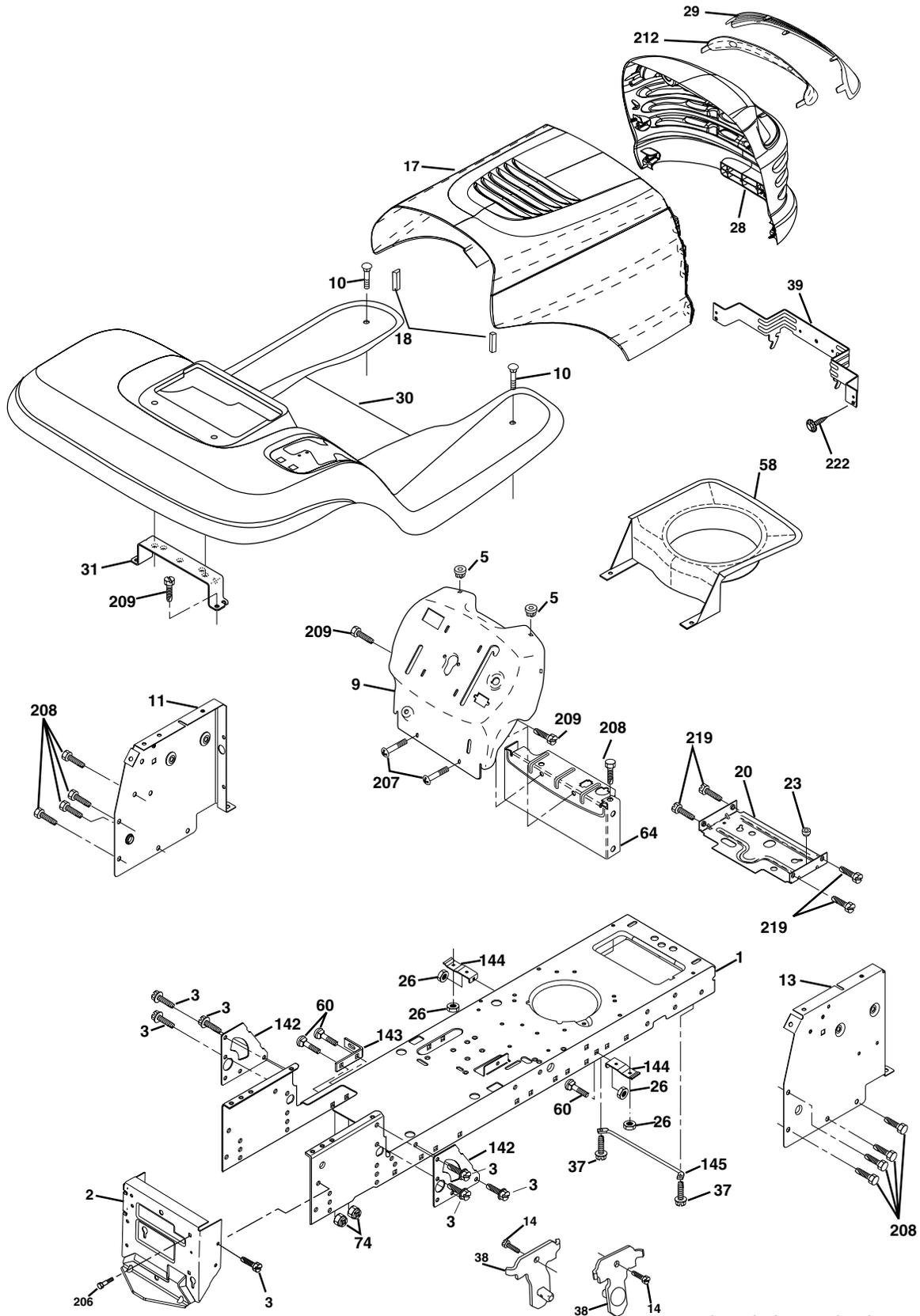
KEY NO.	PART NO.	DESCRIPTION
1	144927	Battery
2	74760412	Bolt, Hex 1/4-20 x 3/4
8	7603J	Tray, Battery
10	145211	Bolt, Btr Front 1/4-20 x 7-1/2
11	150109	Holddown Battery Front Mount
12	145769	Nut, Push Nylon Battery Front 1/4
16	176138	Switch Interlock
21	175688	Harness, Light Socket (w/4152J)
22	4152J	Light Bulb
24	4799J	Cable, Battery
25	146148	Cable, Battery
26	175158	Fuse
27	73510400	Nut Keps Hex 1/4-20 Unc
28	145491	Cable, Ground
29	121305X	Switch, Seat
30	175566	Switch, Ignition
33	140403	Key, Molded
40	179720	Harness, Ignition
41	71110408	Bolt Blk Fin Hex 1/4-20 UNC x 1/2
42	131563	Cover, Terminal
43	178861	Solenoid
45	121433X	Ammeter Rectangular 6 Amp
52	141940	Protection Wire Loop (Hour Meter)
55	17490508	Screw Thdrol 5/16-18 x 1/2

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

CHASSIS AND ENCLOSURES



chassis-Laser -lt.stlt_12

REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	174619	Chassis
2	176554	Drawbar
3	17060612	Screw 3/8-16 x 3/4
5	155272	Bumper Hood/Dash
9	168337X014	Dash
10	STD533710	Bolt, Carriage 3/8-16 x 1
11	174996	Panel, Dash, LH
13	172105X010	Panel, Dash, RH
14	17490608	Screw Thdrol 3/8-16 x 1/2
17	185682X558	Hood Assembly
18	184921	Bumper Hood
20	180679	Plate Mtg Battery Fuel Tank
23	124028X	Bushing, Snap, Nylon, Fuel Line
26	STD541437	Locknut, Hex, with Insert 3/8-16 Unc
28	175049	Grille/Lens Asm.
29	174332X599	Lens, Grille
30	174738X558	Fender/Foostrest
31	139976	Bracket, Fender/Support
37	17490508	Screw, Thdrol. 5/16-18 x 1/2 TYT
38	175710	Bracket Asm Pivot Mower Rear

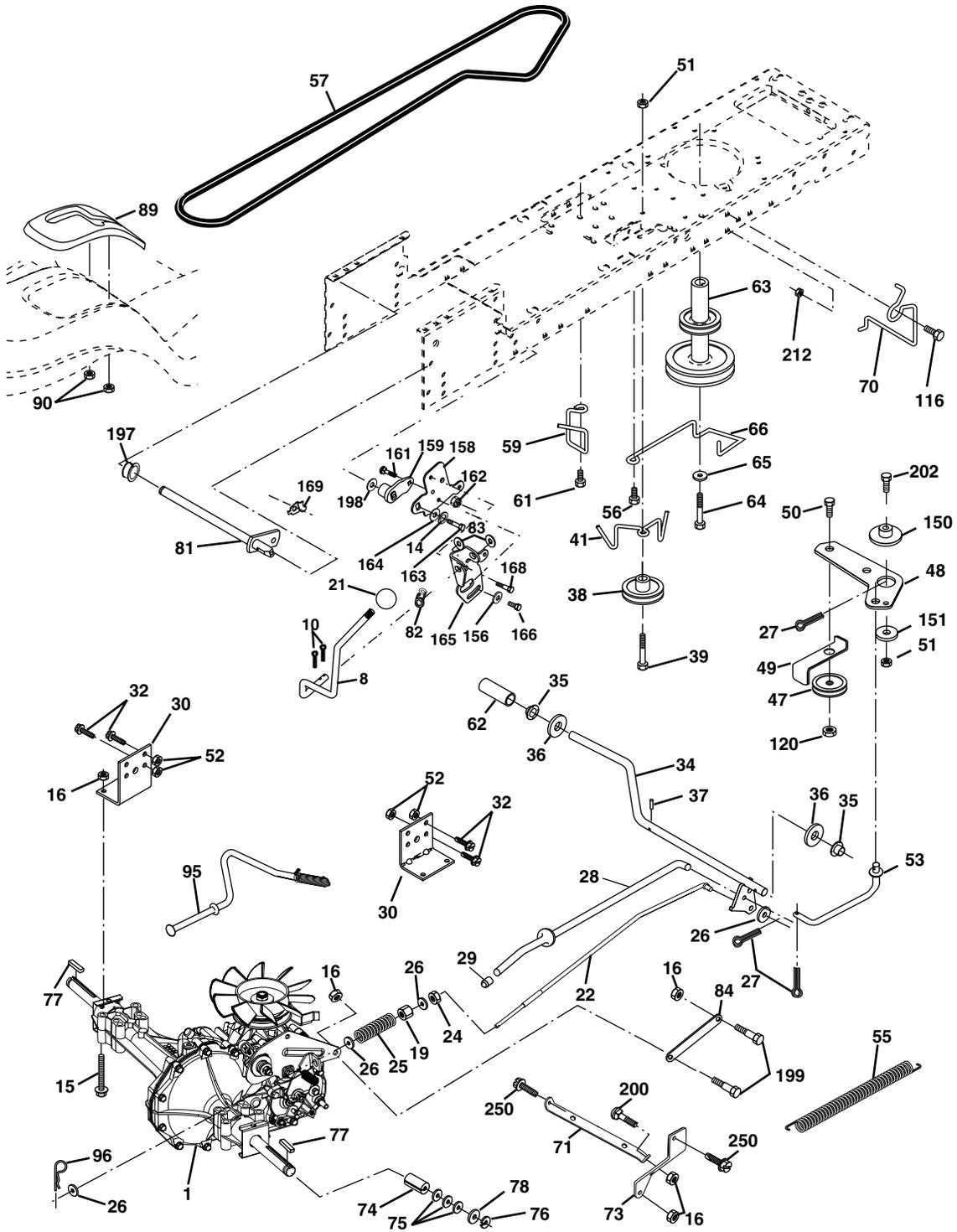
KEY NO.	PART NO.	DESCRIPTION
39	174714	Bracket Pivot Laser Lt
58	184462	Air Duct
60	72140606	Bolt Rdhd Sqnk 3/8-16 UNC x 3/4
64	154798	Dash Lower STLT
74	STD541437	Nut Crownlock 3/8-16 UNC
142	175702	Plate Reinforcement STLT
143	154966	Bracket Swaybar Chassis
144	175582	Bracket Foostrest STLT
145	156524	Rod Pivot Chassis/Hood
206	170165	Bolt Shoulder 5/16-18TT
207	17670508	Screw Thdrol 5/16-18 x 1/2
208	17670608	Screw Thdrol 3/8-16 x 1/2
209	17000612	Screw Hex Wsh Thdrol 3/8-16 x 3/4
212	175143	Insert, Lens
219	17000512	Screw 5/16-18 x 3/4
222	171875	Screw HWHD Hi-Lo #13-16 x 3/4
--	5479J	Plug Button

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REPAIR PARTS

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DRIVE



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

DRIVE

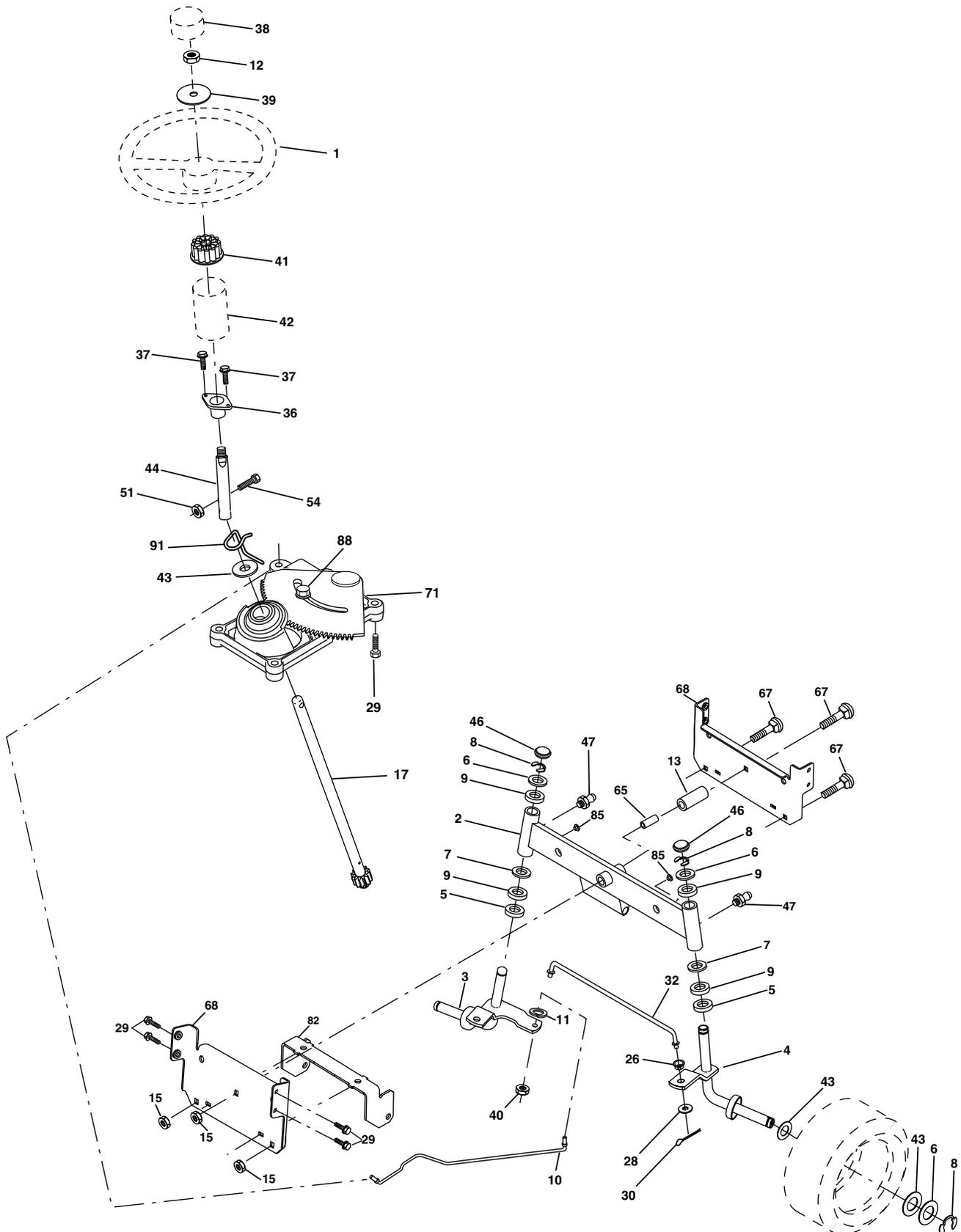
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	-----	Transaxle (See Breakdown) Hydro Gr 314-0510	70	180218	Keeper Belt Engine
8	165866	Rod Shift Fender Adjust	71	169183	Strap Torque Lh Hydro
10	STD561210	Pin Cotter 1/8 x 1 CAD	73	169182	Strap Torque Rh Hydro
14	10040400	Washer Lock Hvy Helical	74	137057	Spacer
15	74490544	Bolt Hex FLGHD 5/16-18 x Gr 5	75	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
16	STD541431	Nut Lock Hex W/Ins. 5/16-18 Unc	76	STD581075	E-Ring
19	STD541437	Nut Lock Hex W/Wsh 3/8-16 Unc	77	123583X	Key, Square
21	130564	Knob, Deluxe 1/2-13	78	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
22	169498	Rod, Brake Hydro	81	165596	Shaft Asm Cross Tapered
24	73350600	Nut, Hex Jam 3/8-16 Unc	82	165711	Spring Torsion
25	106888X	Spring, Brake Rod	83	19171216	Washer 17/32 x 3/4 x 16 Ga.
26	STD551037	Washer 13/32 x 13/16 Ga.	84	169594	Link Transaxle
27	STD561210	Pin Cotter 1/8 x 3/4 CAD.	89	164890X428	Console, Shift
28	175765	Rod, Parking Brake	90	124346X	Nut Self-Thd Wsh-hd 1/4 Zinc
29	71673	Cap, Parking Brake	95	170201	Control Bypass Hydro 20" Tires
30	169592	Bracket, Transaxle	96	4497H	Retainer Spring 1" Zinc/Cad
32	74760512	Bolt Hex Hd 5/16-18 Unc x 3/4	116	72140608	Bolt Rdhd Sqneck 3/8-16 x 1.25
34	175578	Shaft, Foot Pedal	120	73900600	Nut Lock Flg 3/8-16
35	120183X	Bearing, Nylon	150	175456	Spacer Retainer
36	19211616	Washer	151	19133210	Washer 13/32 x 2 x 10 Ga.
37	1572H	Pin, Roll	156	166002	Washer Srrtd 5/16ID x 1.125
38	179114	Pulley, Composite, Flat	158	165589	Bracket Shift Mount
39	74760648	Bolt Fin Hex 3/8-16 x 2-3/4	159	183900	Hub Shift
41	175556	Keeper, Belt Idler	161	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr 5
47	127783	Pulley, Idler, V-Groove	162	73680400	Nut Crownlock 1/4-20 Unc
48	154407	Bellcrank, Clutch	163	74780416	Bolt Hex Fin 1/4-20 Unc x 1 Gr 5
49	123205X	Retainer, Belt	164	19091010	Washer 5/8 x .281 x 10 Ga
50	72110612	Bolt Carr Sh 3/8-16 x 1-1/2	165	165623	Bracket Pivot Lever
51	STD541437	Nut Crownlock 3/8-16 UNC	166	166880	Screw 5/16-18 x 5/8
52	STD541431	Nut, Crownlock 5/16-18 Unc	168	165492	Bolt Shoulder 5/16-18 x .561
53	105710X	Link, Clutch	169	165580	Plate Fastening
55	105709X	Spring, Return, Clutch	197	169613	Nyliner Snap-In 5/8"ID
56	17060620	Screw 3/8-16 x 1.04	198	169593	Washer Nyl 7/8 ID x .105" Hyd
57	140294	V-Belt	199	169612	Bolt Shoulder 5/16-18UNC
59	169691	Keeper, Center Span	200	72140508	Bolt Rdhd Sgnk 5/16-18UNC x 1
61	17120614	Screw . 3/8-16 x .875	202	72110614	Bolt Carr Sh 3/8-16 x 1-3/4Gr.5
62	8883R	Cover, Pedal	212	145212	Nut Hex Flg. Lock
63	180219	Pulley, Engine	250	17060612	Screw 3/8-16 x .75
64	173937	Bolt Hex 7/16-20 x 4 Gr. 5			
65	STD551143	Washer			
66	154778	Keeper Belt Engine Hydro			

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

STEERING ASSEMBLY



REPAIR PARTS

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STEERING ASSEMBLY

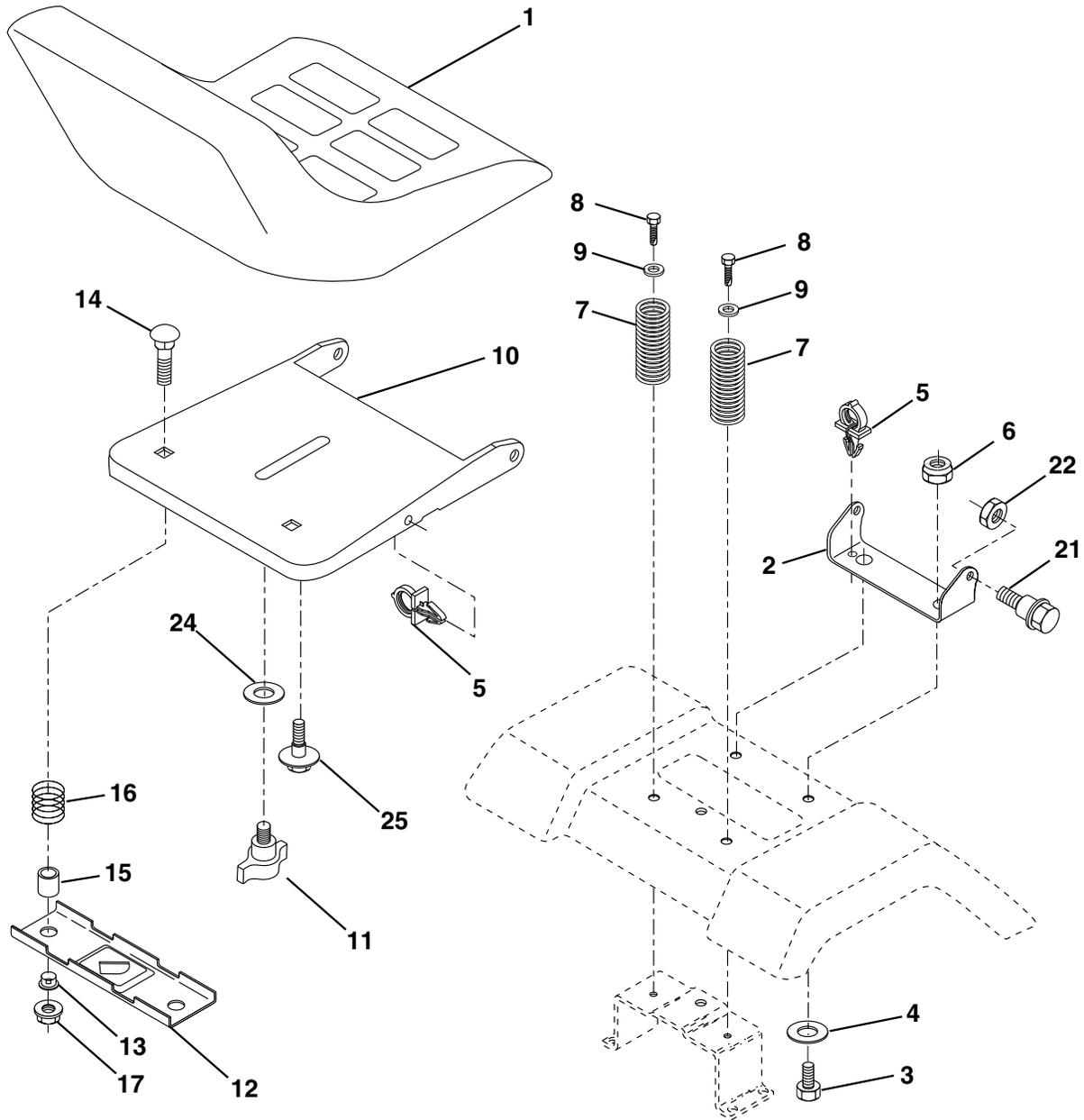
KEY NO.	PART NO.	DESCRIPTION
1	139768	Steering Wheel
2	175131	Front Axle Assembly
3	169840	Spindle Assembly, L.H.
4	169839	Spindle Assembly, R.H.
5	6266H	Bearing, Race, Thrust, Hardened
6	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
7	19272016	Washer 27/32 x 1-1/4 x 16 Gauge
8	12000029	Ring, Klip
9	3366R	Bearing, Steering Column
10	175121	Link, Drag
11	STD551137	Washer, Lock
12	73940800	Nut Hex Jam Toplock 1/2-20 Unf
13	136518	Spacer, Bearing, Front Axle
15	145212	Nut, Hexflange Lock
17	180641	Shaft Assembly, Steering
26	126847X	Bushing Link Drag
28	19131416	Washer 13/32 x 7/8 x 16 Gauge
29	17060612	Screw 3/8-16 x 3/4
30	STD561210	Pin
32	130465	Rod, Tie
36	155099	Bushing, Steering
37	152927	Screw TT #10-32 x 5 x 3/8 Flange
38	139769	Insert, Steering Wheel
39	19183812	Washer 9/16 x 2-3/8 x 12 Gauge
40	STD541537	Lock Nut Center 3/8-24 UNF
41	100711L	Adaptor, Steering Wheel
42	145054X428	Boot, Steering Dash P/L Mtl Blk
43	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
44	180640	Extension Steering
46	121232X	Cap, Spindle
47	183226	Fitting, Grease
51	73540400	Nut Crownlock 1/4-28
54	71130420	Bolt Hex 1/4-28 x 1 1/4
65	160367	Spacer Brace Axle
67	72140618	Bolt Rhnd Sq 3/8-16 x 2-1/4
68	169827	Brace Axle
71	175146	Steering Asm
82	169835	Bracket Susp Chassis Front
85	133835	Fastener Christmas Tree
88	175118	Bolt Shoulder 7/16-20
91	175553	Clip Steering

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SEAT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION
1	140122	Seat
2	140551	Bracket Pnt Pivot Seat
3	71110616	Bolt Fin Hex 3/8-16unc 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 1.5 SMGML
9	19131614	Washer 13/32 X 1 X 14 Ga
10	182493	Pan Pnt Seat
11	166369	Knob Seat
12	121246X	Bracket Pnt Mounting Switch

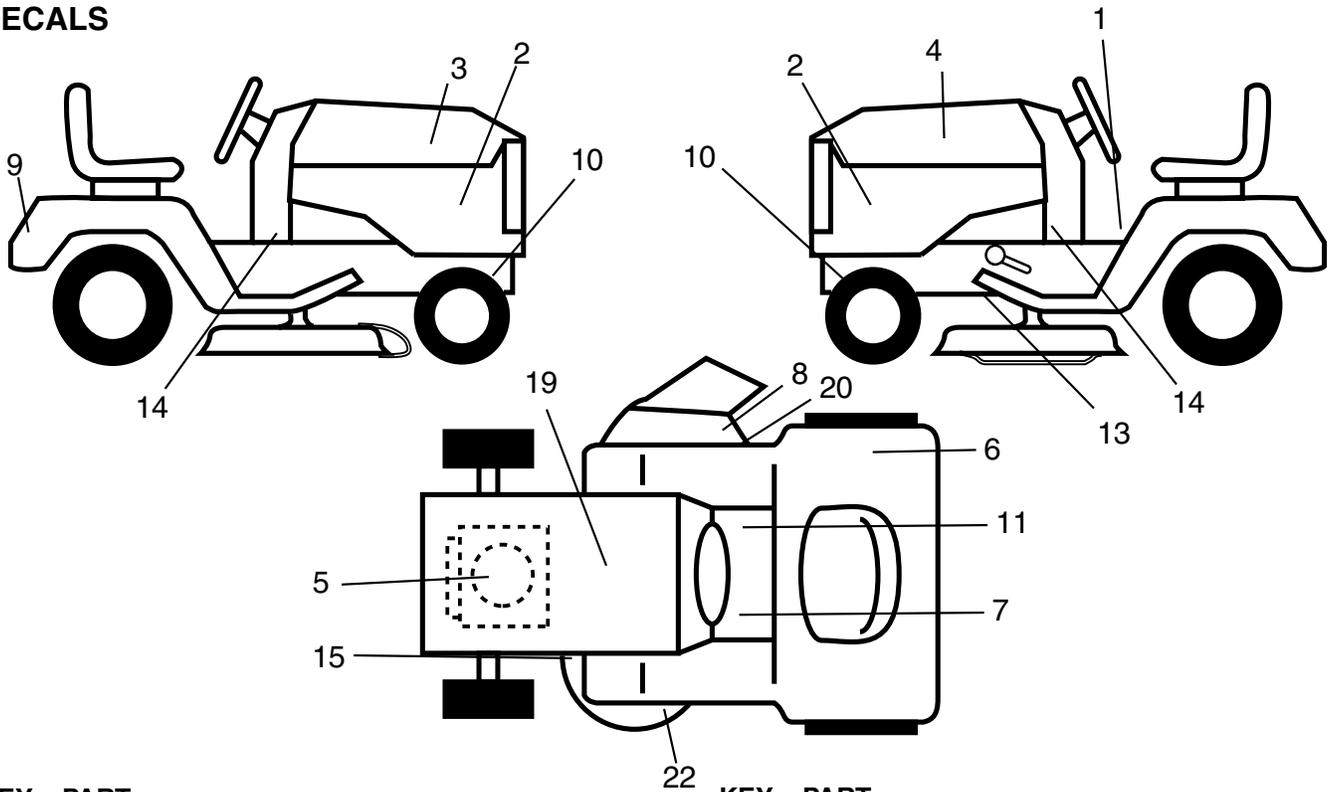
KEY NO.	PART NO.	DESCRIPTION
13	121248X	Bushing Snap Blk Nyl 50 Id
14	72050412	Bolt Rdhd Sht Nk 1/4-20x1-1/2
15	134300	Spacer Split 28 X 96 Zinc
16	121250X	Spring Cprsn 1 27 Blk Pnt
17	123976X	Nut Lock 1/4 Lge Flg Gr 5 Zinc
21	171852	Bolt Shoulder 5/16-18 Unc-2A
22	STD541431	Nut Hex Lock w/Ins 5/16-18
24	19171912	Washer 17/32 X 1-3/16 X 12 Ga.
25	127018X	Bolt Shoulder 5/16-18 x .62

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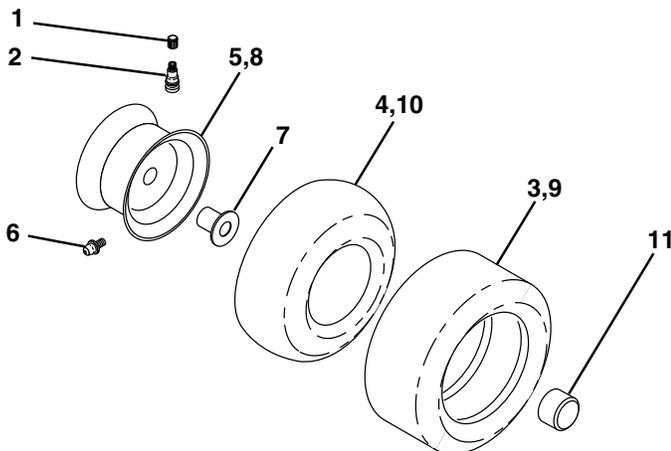
DECALS



KEY NO.	PART NO.	DESCRIPTION
1	145498	Decal Read Owner's Manual
2	184730	Decal Hood Side
3	184728	Decal Hood Rh
4	184729	Decal Hood Lh
5	181659	Decal Engine H/P
6	180432	Decal Fender DB/CE
7	159737	Decal Brake/Clutch
8	179128	Decal Deck
9	184899	Decal Fender Craftsman
10	159736	Decal Hot Muffler
13	146046	Decal V-belt Dr Sch Tractor E
14	181824	Decal Dash Panel

KEY NO.	PART NO.	DESCRIPTION
15	160396	Decal Mower Drive Schematic
19	145005	Decal Battery
20	182166	Decal Cutting
22	172331	Decal Deck Heavy Duty
--	169210	Decal By Pass Lt Hydro
--	138311	Decal Lift Handle
--	165800X428	Pad Footrest Lh STL
--	165799X428	Pad Footrest Rh STL
--	162598	Decal Drawbar Load Limit
--	140837	Decal Brake Parking
--	187205	Manual, Oper Manual Euro
--	187206	Manual, Oper Manual Scand
--	187207	Manual, Parts

WHEELS & TIRES



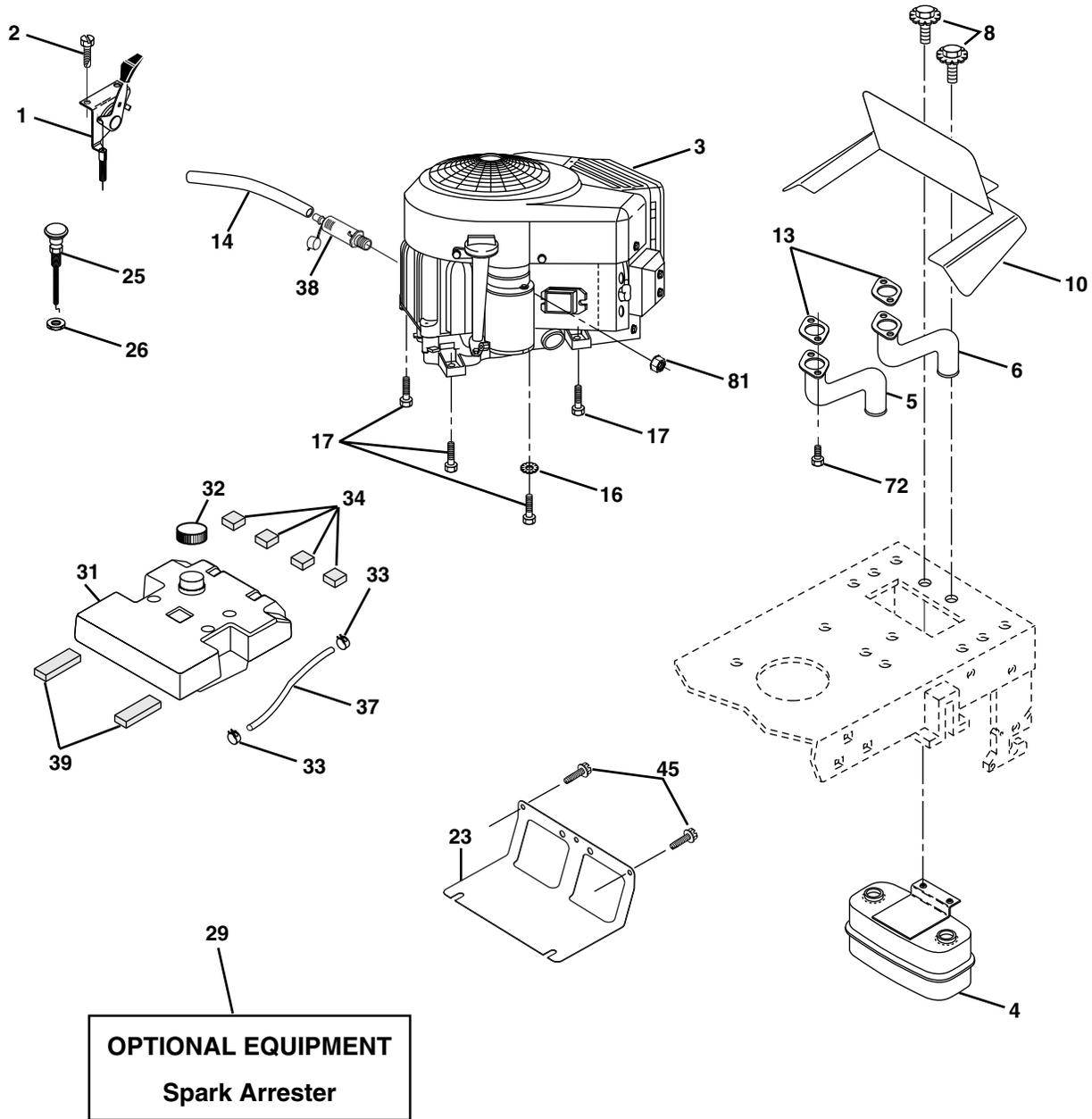
KEY NO.	PART NO.	DESCRIPTION
1	59192	Valve Cap, Tire
2	65139	Stem, Valve
3	106222X	Tire, Front
4	59904	Tube, Front Tire (Not Provided, Service Item Only)
5	106732X624	Rim, Front
6	278H	Fitting, Grease (Front Wheel Only)
7	9040H	Bearing, Flange (Front Wheel Only)
8	106108X624	Rim, Rear
9	122082X	Tire, Rear
10	7152J	Tube, Rear Tire (Not Provided, Service Item Only)
11	104757X428	Cap, Axle
--	144334	Sealant, Tire (10 oz. Tube)

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REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

ENGINE



engine-bs intek-twin_28

REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

ENGINE

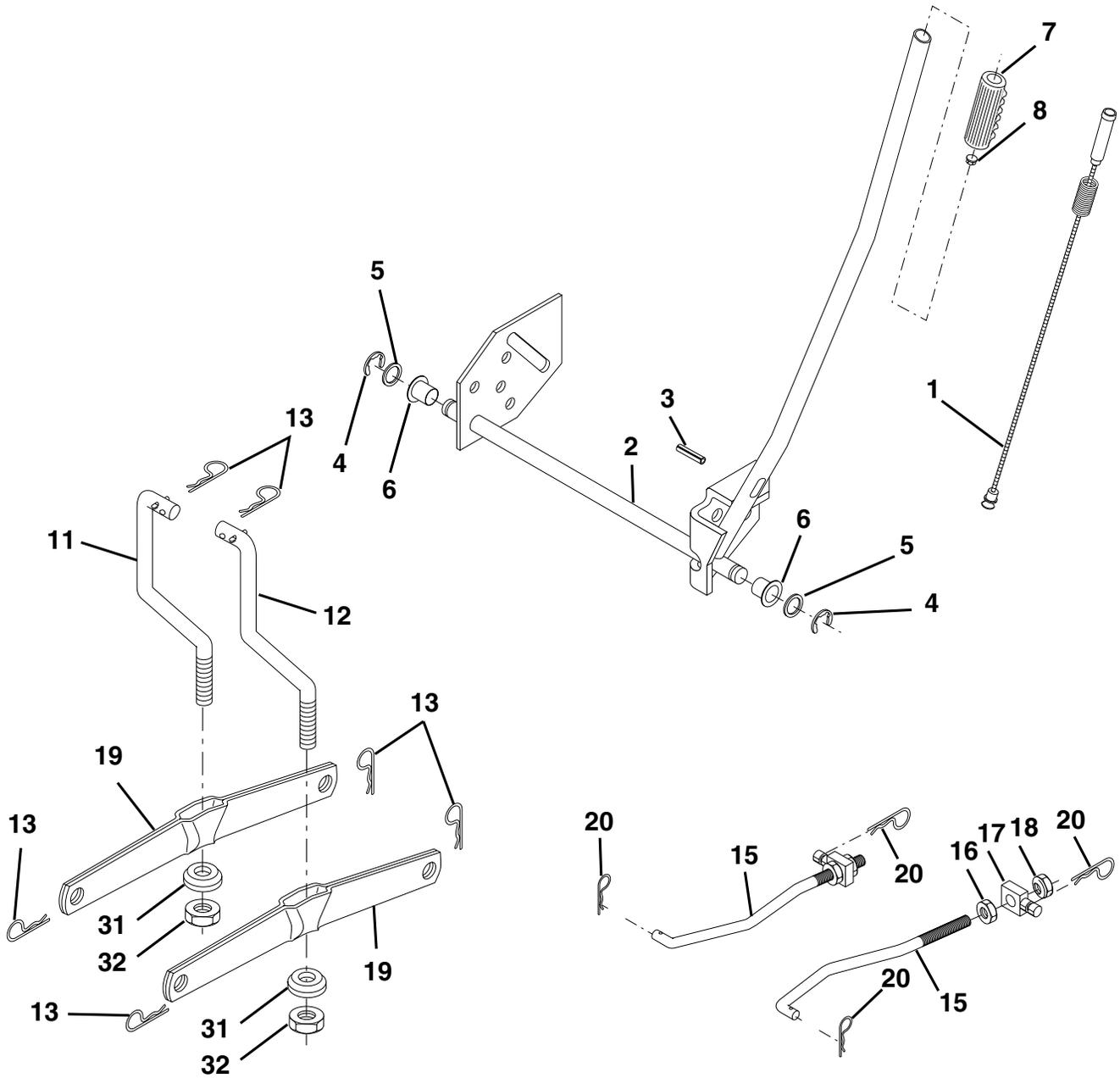
KEY NO.	PART NO.	DESCRIPTION
1	170546	Control Throt Paddle
2	17720408	Screw Hex Thd Cut 1/4-20x5/8 T
3	-----	Engine (See Breakdown) Briggs Model No. 407677-0233-E1
4	149723	Muffler Exhaust
5	159955	Exhaust Asm. Left
6	160589	Exhaust Asm. Right
8	171877	Bolt 5/16 - 18 UNC X 3/4 W/Sems
10	162797	Heat Shield Lt
13	165391	Gasket Muffler
14	148456	Tube, Drain Oil Easy
16	STD551237	Washer Lock Ext Tooth 3/8
17	17060624	Screw 3/8-16x1-1/2 Tytt
23	169837	Shield Browning/Debris Guard
25	145996	Control Choke
26	73920600	Nut Keps 3/8-24 Unf
29	137180	Arrestor Spark
31	157103	Tank Fuel 3 50 Rear
32	161696	Cap Fuel Guage STLT
33	123487X	Clamp Hose Blk
34	106082X	Spacer Pad
37	8543R	Line Fuel
38	181654	Plug, Drain Oil Easy
39	109227X	Pad Idler 1.75 x .75 x .06
45	17000612	Screw Hex Wsh Thdrol 3/8-16 x 3/4
72	183906	Screw Socket Head 5/16-18 x 1
81	73510400	Nut, Keps 1/4-20 Starter Nut

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REPAIR PARTS

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MOWER LIFT



REPAIR PARTS

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MOWER LIFT

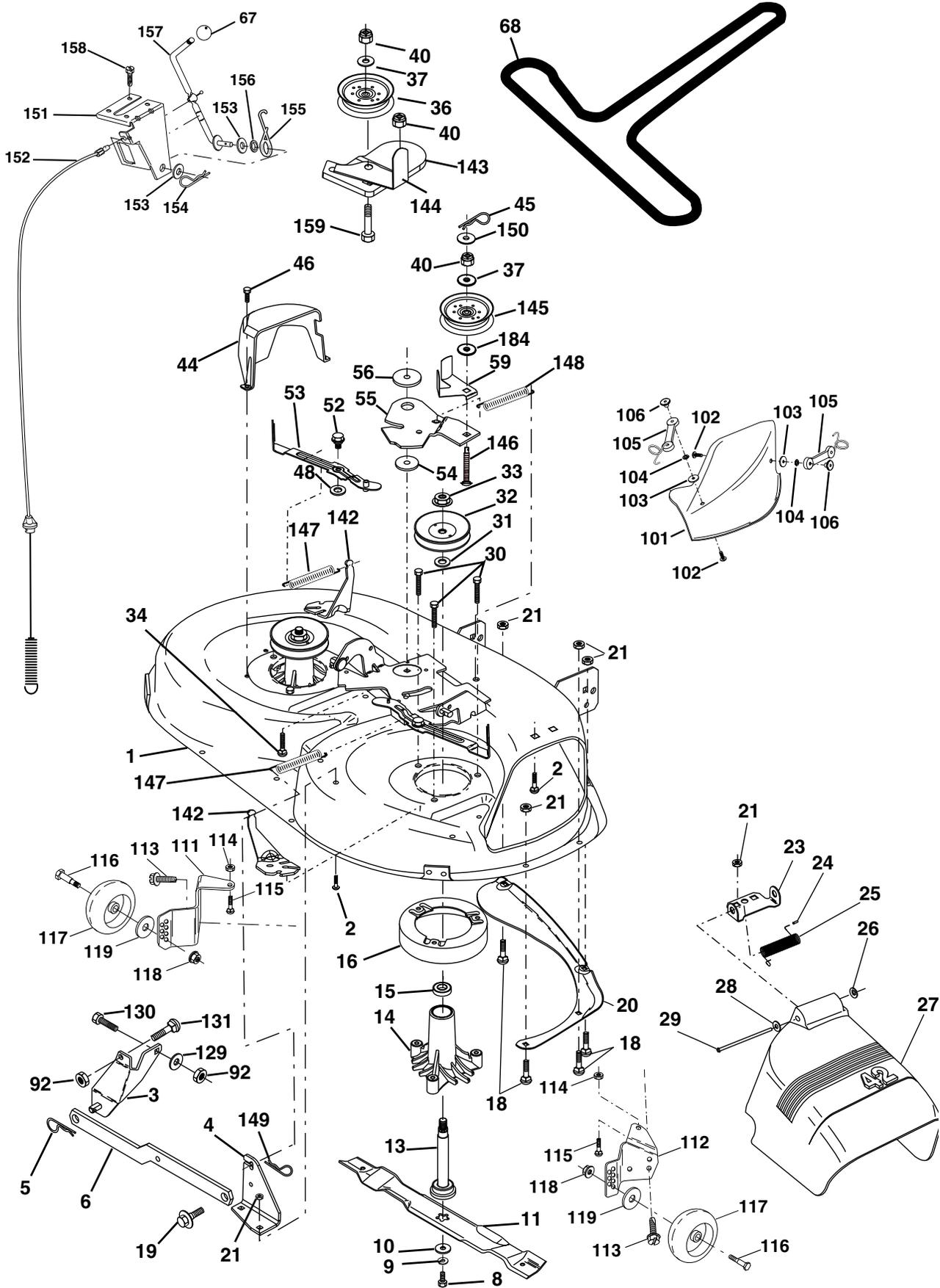
KEY NO.	PART NO.	DESCRIPTION
1	159460	Lift Lever Inner Wire Asm.
2	159471	Shaft Asm. Lift
3	105767X	Pin Groove
4	12000002	E Ring
5	19211621	Washer 21/32 x 1 x 21 Ga.
6	120183X	Bearing Nylon
7	125631X	Grip Handle Fluted
8	122365X	Button Plunger Read
11	139865	Link Asm Lift L.H.
12	139866	Link Asm Lift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

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REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

MOWER



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

MOWER

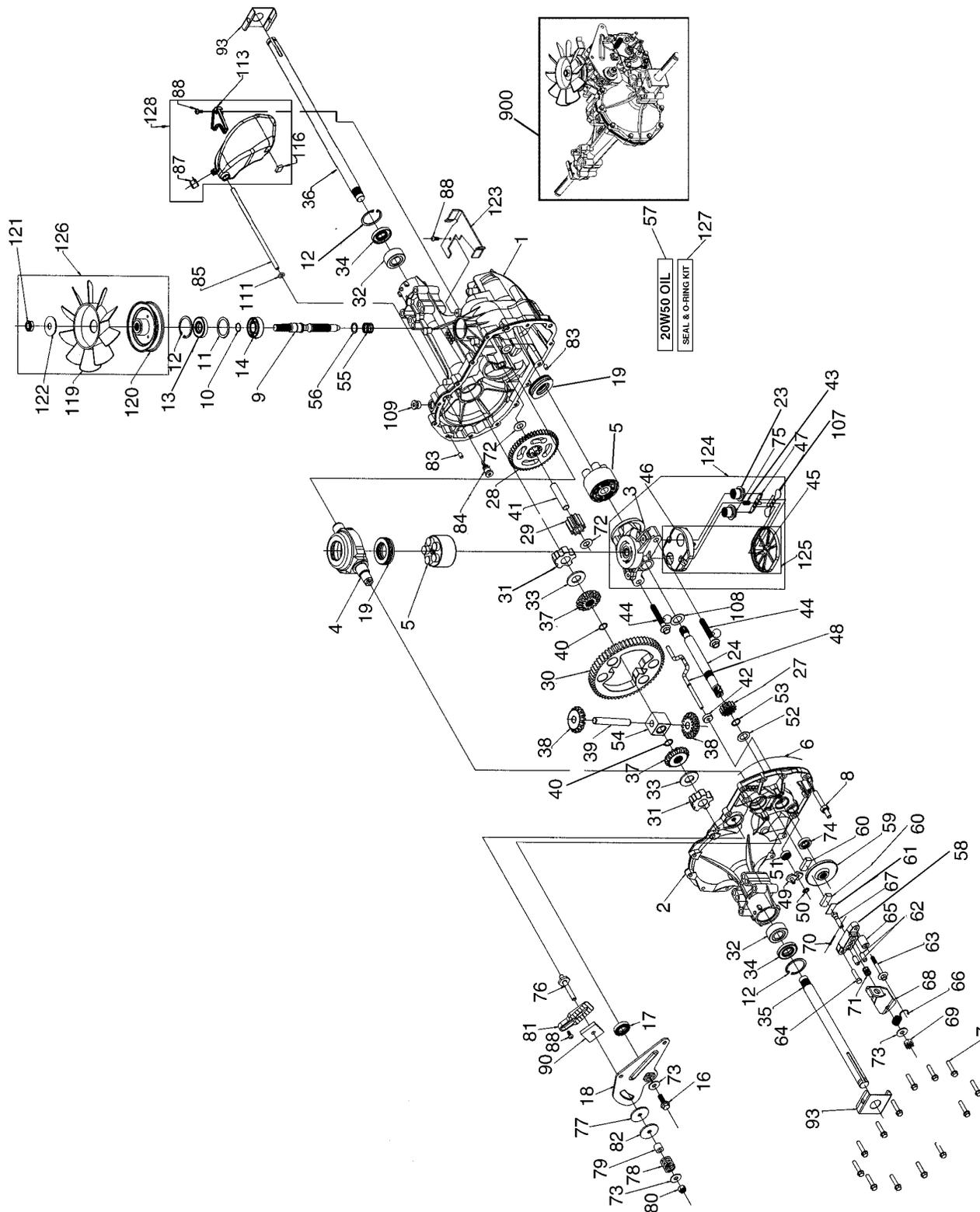
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	165892	Mower Housing	68	180215	V-Belt
2	STD533107	Bolt	92	STD541437	Locknut, Hex W/Wsh 3/8-16UNC
3	138017	Bracket Assembly,Sway Bar, Front	101	136420	Cover Mulching 42" Black
4	165460	Bracket Sway Bar 38/42"	102	71081010	Screw Truss Hd Phil10-24 x5/8
5	STD624008	Retainer Spring	103	19061216	Washer #10
6	178024	Bar Sway Deck	104	STD551110	Washer Lock
8	850857	Bolt, Hex 3/8-24 x 1.25 Gr. 8	105	160793	Latch Asm Bagger
9	STD551137	Washer, Lock	106	2029J	Nut Weld
10	140296	Washer, Hardened	111	179292	Bracket Gauge, Wheel LH
11	134149	Blade, Mulching	112	179293	Bracket, Gauge, Wheel RH
13	137645	Shaft Assembly, Mandrel, Vented (Incl. Key Number 6)	113	17060510	Screw 5/16-18
14	128774	Housing, Mandrel, Vented	114	73510500	Nut, Hex Keps 5/16-18 UNC
15	110485X	Bearing, Ball, Mandrel	116	4898H	Bolt, Shoulder
16	174493	Stripper, Mower Deck	117	165746	Wheel, Gauge
18	72140505	Bolt, Carriage 5/16-18 x 5/8	118	73930600	Nut, Crownlock 3/8-1
19	132827	Bolt, Shoulder	119	19121414	Washer 13/32 x 7/8 x 14 Ga.
20	159770	Baffle, Vortex	129	19131312	Washer 13/32 x 13/16 x 12 Ga.
21	STD541431	Nut, Crownlock 5/16-18 UNC	130	STD523710	Bolt, Fin Hex 3/8-16 UNC x 1 Gr 5
23	177563	Bracket, Deflector	131	STD533710	Bolt Rdhd Sqnk 3/8-16 UNC x 1
24	105304X	Cap, Sleeve	142	165890	Arm Spring Brake Mower
25	123713X	Spring, Torsion, Deflector	143	157109	Bracket Arm Idler 42"
26	110452X	Nut, Push	144	158634	Keeper Belt 42" Clutch Cable
27	130968X428	Shield, Deflector	145	165888	Pulley Idler Flat
28	19111016	Washer 11/32 x 5/8 x 16 Ga.	146	171977	Bolt Carraige Idler
29	131491	Rod, Hinge	147	179478	Spring Extension
30	173984	Screw Thdrol Rolling Wsh Hd	148	169022	Spring Return Idler
31	129963	Washer, Spacer	149	165898	Retainer Spring Yellow Zinc
32	153535	Pulley, Mandrel	150	19091216	Washer 9/32 x 3/4 x 16 Ga.
33	178342	Nut, Toplock, Flanged	151	169670	Bracket Clutch
34	STD533717	Bolt	152	181555	Cable Clutch 42"
36	131494	Pulley, Idler, Flat	153	169674	Washer flat 3/8" Type B
37	19131316	Washer 13/32 x 13/16 x 16 Ga.	154	169675	Spring Retainer
40	STD541437	Nut, Crownlock 3/8-16 UNC	155	169671	Spring Retention Lever
44	140088	Guard, Mandrel, L.H.	156	169672	Spacer
45	STD624003	Retainer	157	169669	Rod Clutch
46	137729	Screw, Thd. Roll 1/4-20 x 5/8	158	17720408	Screw Hex Thd Cut 1/4-20 x 5/8
48	133944	Washer, Hardened	159	STD533717	Bolt Rdhd Sqnc 3/8-16 Unc x 1-3/4
52	139888	Bolt, Shoulder 5/16-18 UNC	184	19131410	Washer 3/8
53	184907	Arm Assembly, Brake	--	130794	Mandrel Assembly (Includes housing, shaft and shaft hardware only-pulley not included)
54	178515	Washer, Hardened	--	181281	Replacement Mower , Complete
55	155046	Arm, Idler			
56	165723	Spacer, Retainer			
59	141043	Guard, Tuv Idler (94)			
67	149846	Knob Custom Oval			

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1 inch = 25.4 mm

REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

HYDRO GEAR TRANSAXLE - - MODEL NUMBER 314-0510



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

HYDRO GEAR TRANSAXLE - - MODEL NUMBER 314-0510

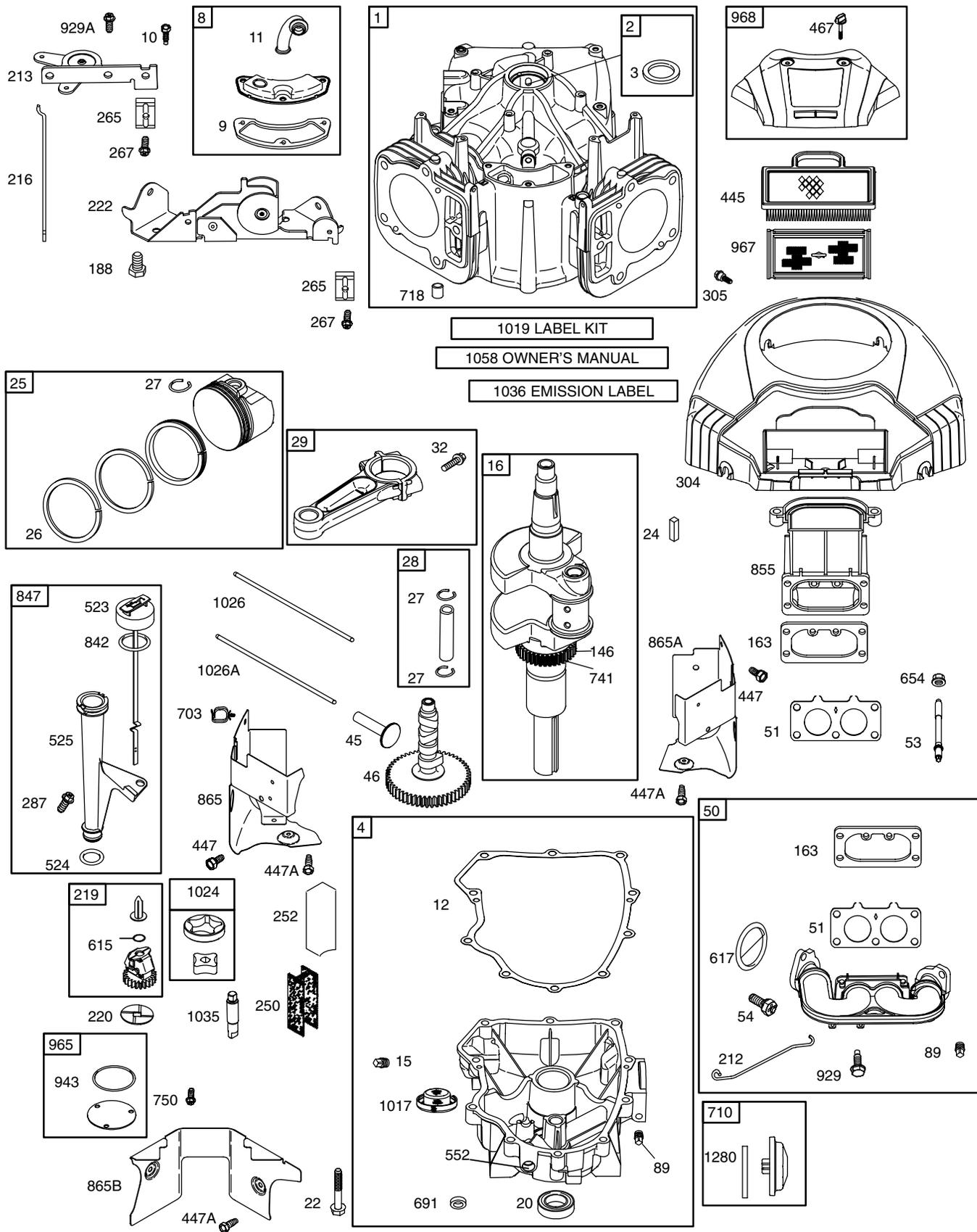
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	170351	Main Housing, Assembly	59	170408	Rotor, Brake
2	170352	Side Housing, Assembly	60	142883	Brake Puck
3	170353	Center Section, Assembly	61	142881	Puck Plate
4	170354	Swashplate, Trunion Machined	62	142887	Brake Actuating Pin
5	169898	Block - Assembly	63	170410	Hfhcs 1/4-20x2 W/Patch, SpecialFlange
6	170355	Sealant 10.5 Oz	64	142892	Bolt, 1/4-20 X 1 W/Patch
7	170356	Hex Flange Screw 1/4-20 X 1.25	65	170411	Spacer
8	170357	Stud, 5/16-24 Hex Double End	66	170412	Spring, Brake Arm Bias
9	170358	Shaft, Input	67	170413	Sq. Hd. Bolt 5/16-24-Ribbed
10	170359	Ring - Retaining	68	170414	Arm, Brake
11	170360	Spacer	69	170415	Slotted Hex Nut 5/16-24
12	169870	Ring - Retaining	70	170416	Cotter Pin 3/32 X 3/4
13	170361	Seal, Lip .67 X 1.58 X .276	71	170417	Compression Spring Brake Anti-Drag
14	169869	Ball Brg 17mm Id X 40mm Od X 12mm	72	170418	Washer, Ht .5 I.D. X 1 O.D. X .032
16	170362	Hex Flange Head Screw 5/16- 24X0.75	73	142884	Flat - Washer 11/32 I.D. X 7/8 O.D
17	170363	Lip Seal 18 X 32 X 7	74	170419	Oil Seal .625 X 1.0 X .25
18	170364	Arm, Control	75	170420	Check Plug Assembly, .027, Washer
19	150771	Bearing, 30x52x13 Thrust	76	170421	Stud, 5/16-24 Friction Pack
23	170365	Check Plug Assembly, Washer	77	170422	Puck, .330 X 1.50 X .0975
24	170366	Shaft, Motor	78	142969	Spring, Helical Comp
27	170367	Gear - Pinion, 13t	79	142980	Spacer
28	170368	10t/48t Gear	80	150778	Hex Lock Nut 5/16-24Unjf(Nylon Insert)
29	170369	Gear, 10t Jackshaft	81	170423	Wedge, Friction Pack
30	170370	60t Bull Gear	82	170424	Clip, Washer .316x1.50x.1046 (Plated)
31	170371	Sleeve Bearing .75 X 1.575 X .625	83	161162	Pin, Standard Headless
32	170389	SleeveBearing(Outboard) .75x1.750x.625	84	170425	Fitting, 5/16 Sae 5/32 Tube
33	142991	Washer, 3/4 Id X 1-1/2 Od X .13 Thk	85	170426	Hose, Expansion Tank
34	170390	Lip Seal Axle Seal	86	170427	Expansion Tank
35	170391	Shaft, Axle .75 X 11.39 (Key, R.H.)	87	170424	Cap - Poppet Valve
36	170392	Shaft, Axle .75 X 16.99 (Key, L.H.)	88	170429	Bolt, Self Tapping 10-32 X 1/2
37	150792	Miter Gear (Splined)	90	170430	Puck, Inner Wedge
38	150793	Miter Gear 15t (0.5 Id)	93	170431	Spring Clip - Housing Thrust
39	150809	Shaft	107	170432	Deflector
40	170393	Ring, Spiral Retaining	108	170433	Washer, Motor Shaft .71idx1.150dx.030thk
41	170394	Pin, Jackshaft	109	170434	Plug, Sae #6
42	170395	Magnet, Ring	111	170435	O-Ring .07 X .301 I.D.
43	170396	Spring, Bypass	112	170436	Shield, Vent
44	150797	Hydro Mtg Screw 3/8-24 X 2.5 Long	113	170437	Bracket, Support Expansion Tank
45	170397	Filter	116	170438	Silicon Sponge
46	170398	Base, Filter	119	170439	Fan, 7 In.
47	170999	Actuator, Bypass	120	170440	Pulley
48	170400	Rod, Bypass Actuator	121	170441	Hex Lock Nut 1/2-20 (Nylon Insert)
49	170401	Arm, Bypass	122	170442	Washer, Belleville
50	170202	Retaining Ring .250 External	123	170443	Belt Keeper
51	170403	Seal, Lip .741 X .250 X .250 Tc	124	170444	Center Section-Filter-Bypass Assembly
52	170404	Flat Washer, 5/8 Id X 1.0 Od X .05 Thk	125	170445	Filter Assembly
53	170405	Retaining Ring	126	170446	Fan - Pulley Service Assembly
54	170406	Bearing, Center Block	127	170447	Seal - O-Ring Kit
55	142977	Spring - Helical Compression	900	166768	Transaxle Complete
56	142978	Washer			
57	150798	20w-50 Oil			
58	170407	Brake Yoke			

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

REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

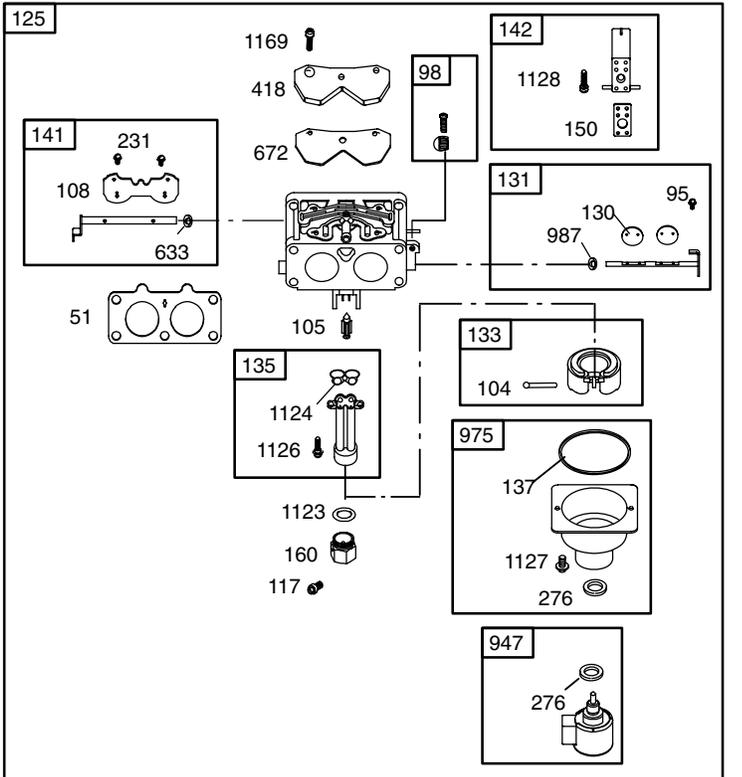
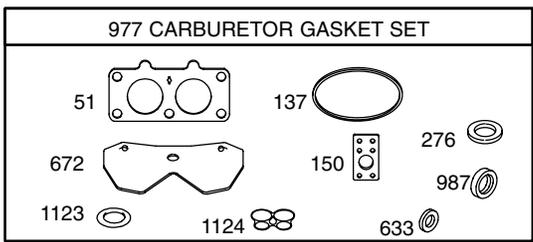
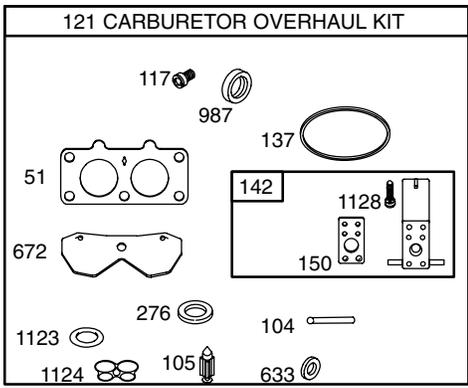
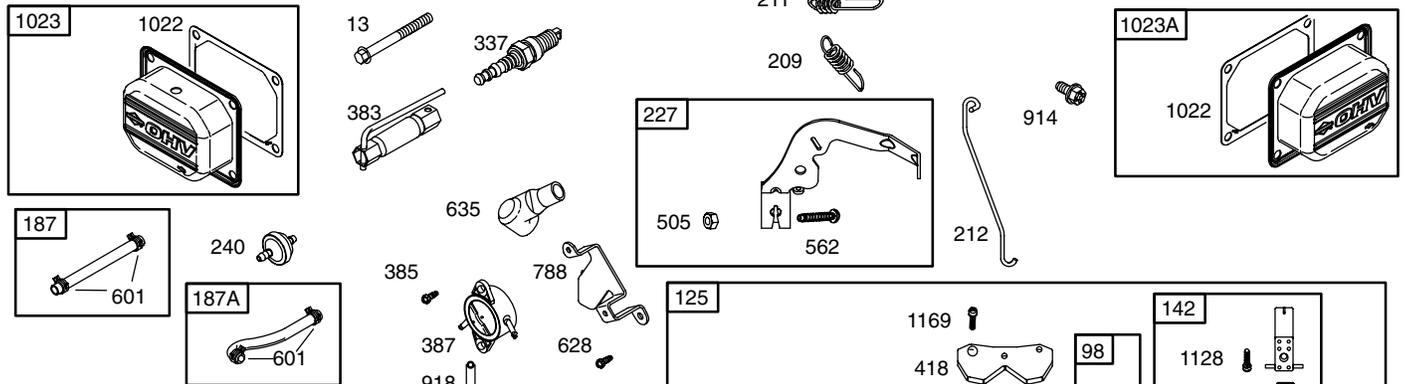
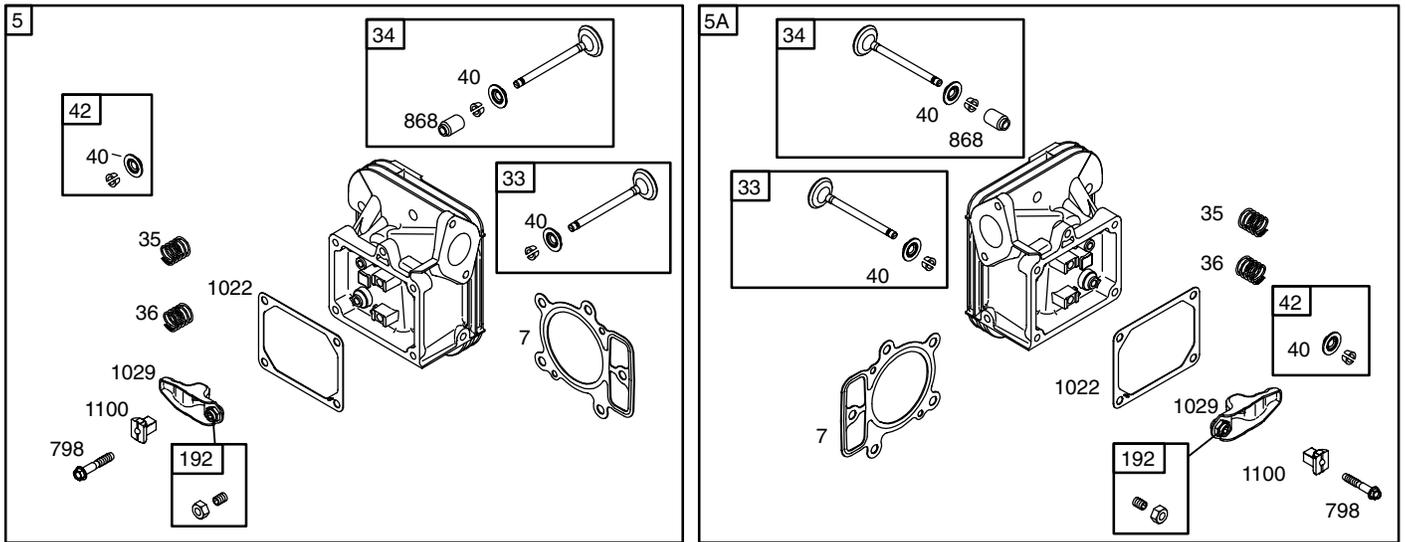
BRIGGS & STRATON ENGINE - - MODEL NUMBER 407677, TYPE NUMBER 0233-E1



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

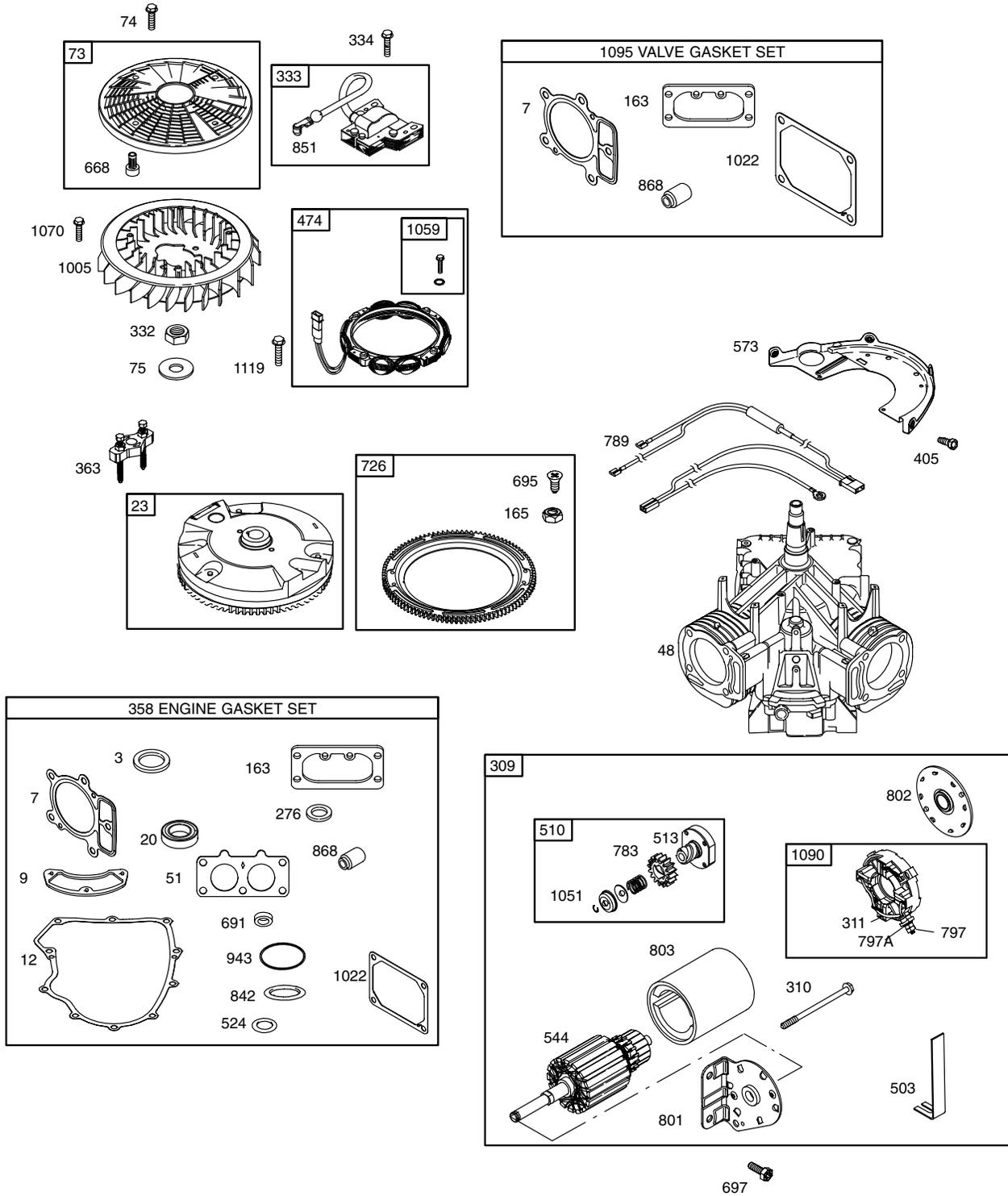
BRIGGS & STRATON ENGINE - - MODEL NUMBER 407677, TYPE NUMBER 0233-E1



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

BRIGGS & STRATON ENGINE - - MODEL NUMBER 407677, TYPE NUMBER 0233-E1



REPAIR PARTS

TRACTOR- -MODEL NO. 917.277220

BRIGGS & STRATON ENGINE - - MODEL NUMBER 407677, TYPE NUMBER 0233-E1

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	690231	Cylinder Assembly	104	690984	Ø Pin-Float Hinge
2	499585	Kit-Bushing/Seal (Magneto Side)	105	690985	Ø Valve-Float Needle
3	391086	• Seal-Oil (Magneto Side)	108	690986	Valve-Choke
4	697473	Sump-Engine	117	690232	Ø Jet-Main (Standard)
5	693998	Head-Cylinder (Cylinder 1)	118	690989	Jet-Main (High Altitude)
5A	693999	Head-Cylinder (Cylinder 2)	121	499811	Kit-Carburetor Overhaul
7	690962	•+ Gasket-Cylinder Head	125	499804	Carburetor
8	499601	Breather Assembly	130	690993	Valve-Throttle
9	690937	• Gasket-Breather	131	499805	Kit-Throttle Shaft
10	690960	Screw (Breather Assembly)	133	499806	Float-Carburetor
11	690942	Tube-Breather	135	499803	Tube-Fuel Transfer
12	697227	• Gasket-Crankcase	137	690994	Ø‡ Gasket-Float Bowl
13	690360	Screw (Cylinder Head)	141	499807	Kit-Choke Shaft
15	690946	Plug-Oil Drain	142	499808	Ø Nozzle-Carburetor
16	691046	Crankshaft	146	690979	Key-Timing
20	690947	• Seal-Oil (PTO Side)	150	690995	Ø‡ Gasket-Nozzle
22	694966	Screw (Engine Sump)	160	690996	Retainer-Solenoid
23	691053	Flywheel	163	691001	•+ Gasket-Air Cleaner
24	222698	Key-Flywheel	165	693148	Nut (Ring Gear)
25	499588	Piston Assembly (Standard)	187	691050	Line-Fuel (Cut to Required Length)
25	499589	Piston Assembly (.010" Oversize)	187A	691049	Line-Fuel (Molded)
25	499590	Piston Assembly (.020" Oversize)	188	690960	Screw (Control Bracket)
25	499591	Piston Assembly (.030" Oversize)	192	690083	Adjuster-Rocker Arm
26	499604	Ring Set-Piston (Standard)	209	697674	Spring-Governor
26	499605	Ring Set-Piston (.010" Oversize)	211	691019	Spring-Governed Idle
26	499606	Ring Set-Piston (.020" Oversize)	212	695238	Link-Throttle
26	499607	Ring Set-Piston (.030" Oversize)	213	691021	Bracket-Choke Control
27	690975	Lock-Piston Pin	216	691022	Link-Choke
28	690229	Pin-Piston	219	698231	Gear-Governor
29	499583	Rod-Connecting	220	690412	Washer (Governor Lever)
32	690976	Screw (Connecting Rod)	222	697678	Bracket-Control
33	499596	Valve-Exhaust	227	691048	Lever-Governor Control
34	499597	Valve-Intake	231	690718	Screw (Choke Valve)
35	690963	Spring-Valve (Intake)	240	691035	Filter-Fuel
36	690963	Spring-Valve (Exhaust)	250	690957	Retainer-Breather
40	690964	Retainer-Valve	252	690956	Collector-Oil
42	499586	Keeper-Valve	265	691024	Clamp-Casing
45	690977	Tappet-Valve	267	695134	Screw (Casing Clamp)
46	690978	Camshaft	276	690997	•Ø+ Washer-Sealing
48	692714	Short Block (446777-0027-E2 Re- placement Engine Transfer Governor Spring and Speed Limiter Bracket)	287	690960	Screw (Dipstick Tube)
50	695241	Manifold-Intake	304	695277	Housing-Blower
51	690950	• Ø‡ Gasket-Intake			RPM Settings: Low Speed: 1900-2100 High Speed: 3000-3200
53	690951	Stud (Carburetor)			
54	695240	Screw (Intake Manifold)			
73	691055	Screen-Rotating			
74	691057	Screw (Rotating Screen)			
75	691056	Washer (Flywheel)			
89	690283	Plug-Oil			
95	690718	Screw (Throttle Valve)			
98	499802	Kit-Idle Speed			

- 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. 917.277220

BRIGGS & STRATON ENGINE - - MODEL NUMBER 407677, TYPE NUMBER 0233-E1

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
305	691005	Screw (Blower Housing)	801	691283	Cap-Drive
309	497595	Motor-Starter	802	691286	Cap-End
310	690323	Bolt-Starter Motor	803	691427	Housing-Starter
311	497608	Brush Set	842	691031	• Seal-Dipstick/Tube
332	691059	Nut (Flywheel)	847	499602	Dipstick/Tube Assembly
333	691060	Armature-Magneto	851	493880	Terminal-Spark Plug
334	691061	Screw (Magneto Armature)	855	691011	Adapter-Air
337	691043	Plug-Spark	865	691012	Cover-Air Guide
358	694012	Set-Engine Gasket	865A	691014	Cover-Air Guide
363	19203	Flywheel Puller	865B	691015	Cover-Air Guide
383	19374	Wrench-Spark Plug	868	690968	•+ Seal-Valve
385	690960	Screw (Fuel Pump)	914	691127	Screw (Rocker Cover)
387	808656	Pump-Fuel	918	694000	Hose-Vacuum
404	690442	Washer (Governor Crank)	929	695239	Screw (Choke Control Bracket)
405	697820	Screw (Back Plate)	929A	691003	Screw (Choke Control Bracket)
418	690999	Plate-Carburetor	943	690589	• Seal-O Ring (Oil Pump Cover)
445	499486	Filter-Air Cleaner Cartridge	947	499809	Solenoid-Fuel
447	691003	Screw (Air Guide Cover)	965	499613	Cover-Oil Pump
447A	690960	Screw (Air Guide Cover)	967	273638	Filter-Pre Cleaner
467	691008	Knob-Air Cleaner	968	499788	Cover-Air Cleaner
474	696458	Alternator	975	499810	Bowl-Float
503	691532	Strap-Ground	977	499812	Gasket Set-Carburetor
505	691029	Nut (Governor Control Lever)	987	691000	Ø‡ Seal-Throttle Shaft
510	497606	Drive-Starter	1005	691243	Fan-Flywheel
513	692024	Clutch-Drive	1017	690770	Screen-Oil Pump
523	691036	Dipstick	1019	690103	Kit-Label
524	691032	• Seal-Dipstick Tube	1022	690971	•+ Gasket-Rocker Cover
525	691037	Tube-Dipstick	1023	499599	Cover-Rocker (Cylinder 1)
544	692034	Armature-Starter	1023A	499600	Cover-Rocker (Cylinder 2)
552	690552	Bushing-Governor Crank	1024	499054	Pump-Oil
552A	690553	Bushing-Governor Crank	1026	690981	Rod-Push (Steel)
562	690311	Bolt (Governor Control Lever)	1026A	690982	Rod-Push (Aluminum)
573	691009	Plate-Back	1029	690972	Arm-Rocker
601	95162	Clamp-Hose	1035	691042	Shaft-Pump
615	698290	Retainer-Governor Shaft	1036	695704	Label-Emission
616	691045	Crank-Governor	1051	691265	Ring-Retaining
617	691917	Seal-O Ring (Intake Manifold)	1058	275475	Owner's Manual
628	690960	Screw (Fuel Pump Bracket)	1059	698516	Kit-Screw/Washer
633	690998	Ø‡ Seal-Choke/Throttle Shaft	1070	691058	Screw (Flywheel Fan)
635	66538	Boot-Spark Plug	1090	691293	Retainer-Brush
654	690958	Nut (Carburetor)	1095	694013	Kit-Valve Overhaul
668	691215	Spacer	1100	690973	Pivot-Rocker Arm
672	690234	Ø‡ Gasket-Carburetor Plate	1119	691183	Screw (Alternator)
691	690657	• Seal-Governor Shaft	1123	690987	Ø ‡ Seal-O Ring (Solenoid Retainer)
695	693149	Screw (Ring Gear)	1124	690988	Ø ‡ Seal-O Ring (Fuel Transfer Tube)
697	690372	Screw (Drive Cap)	1126	690991	Screw (Fuel Transfer Tube)
703	691010	Clip	1127	690992	Screw (Float Bowl)
710	697474	Cover-Oil Filter	1128	690990	Ø Screw (Carburetor Nozzle)
718	690959	Pin-Locating	1169	693140	Screw (Carburetor Cover Plate)
726	499612	Gear-Ring	1280	697475	Seal-O Ring (Oil Filter Cover)
741	690980	Gear-Timing			RPM Settings:
742	690328	Retainer-E Ring			Low Speed: 1900-2100
750	696999	Screw (Oil Pump Cover)			High Speed: 3000-3200
783	693058	Gear-Pinion			
788	691039	Bracket-Fuel Pump			
789	698330	Harness-Wiring			
797	691029	Nut (Brush Retainer)			
797A	693167	Nut (Brush Retainer)			
798	690967	Screw (Rocker Arm)			
					• 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 off 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

