



REPAIR PARTS MANUAL

MODEL NO. 252790

Lawn Tractor

18,5/46 Kohler

1997

CRAFTSMAN®

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:

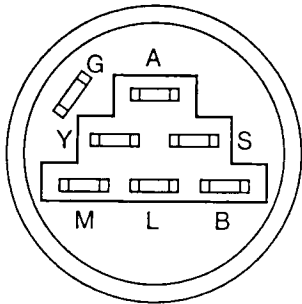
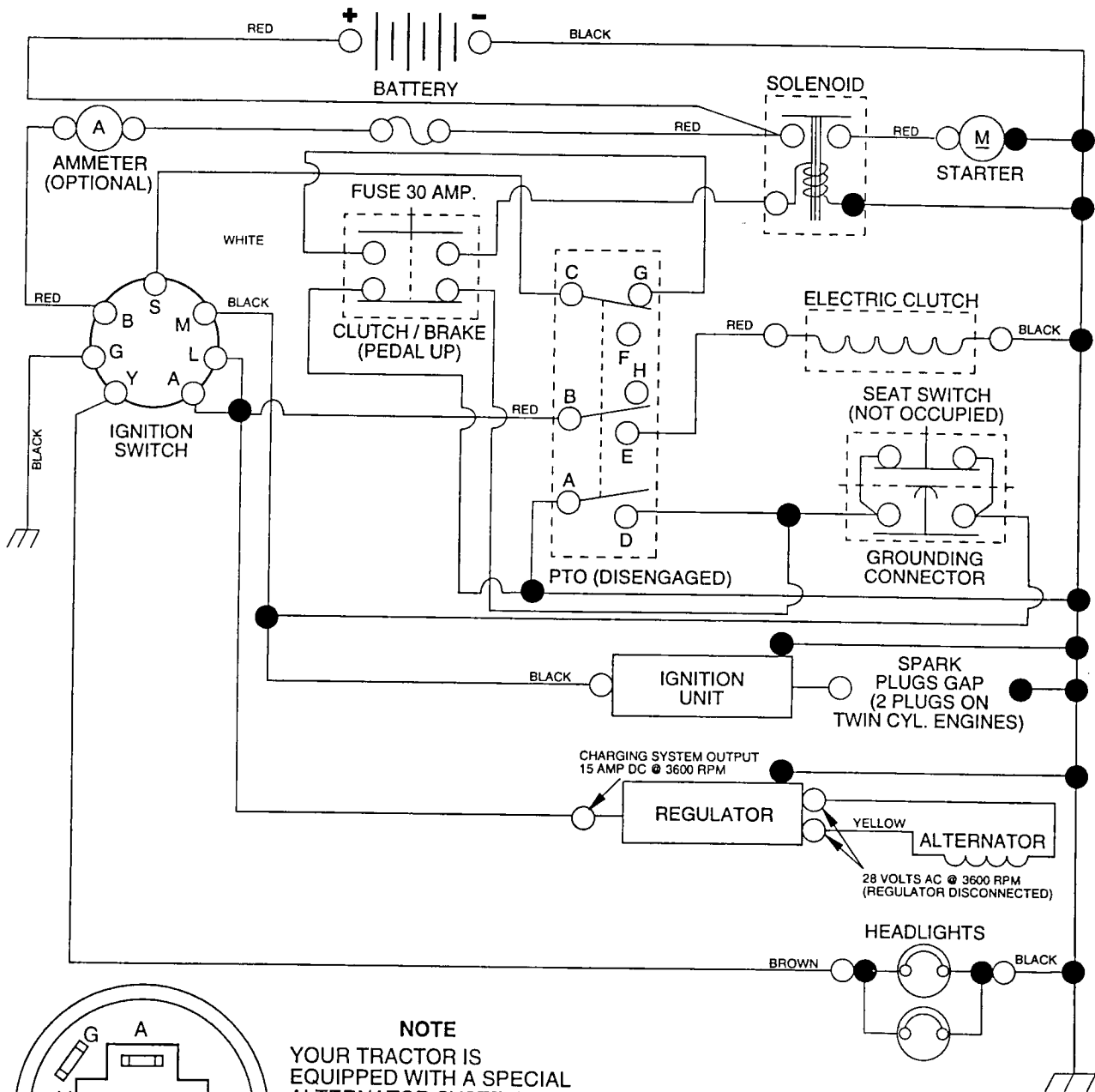
- Product - "Tractor"
- Model Number - "252790"
- Part Number
- Part Description

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TRACTOR - MODEL NUMBER 917.252790

SCHEMATIC



IGNITION SWITCH

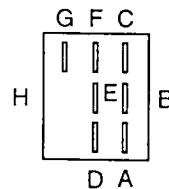
POSITION	CIRCUIT	"MAKE"
OFF	G + M + L	NONE
RUN/LIGHT	B + L	A + Y
RUN	B + L	NONE
START	B + L + S	NONE

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.

PTO SWITCH

POSITION	CIRCUIT
OFF	C + G, B + H
ON	C + F, B + E, A + D



○ REMOVABLE CONNECTIONS

● NON-REMOVABLE CONNECTIONS

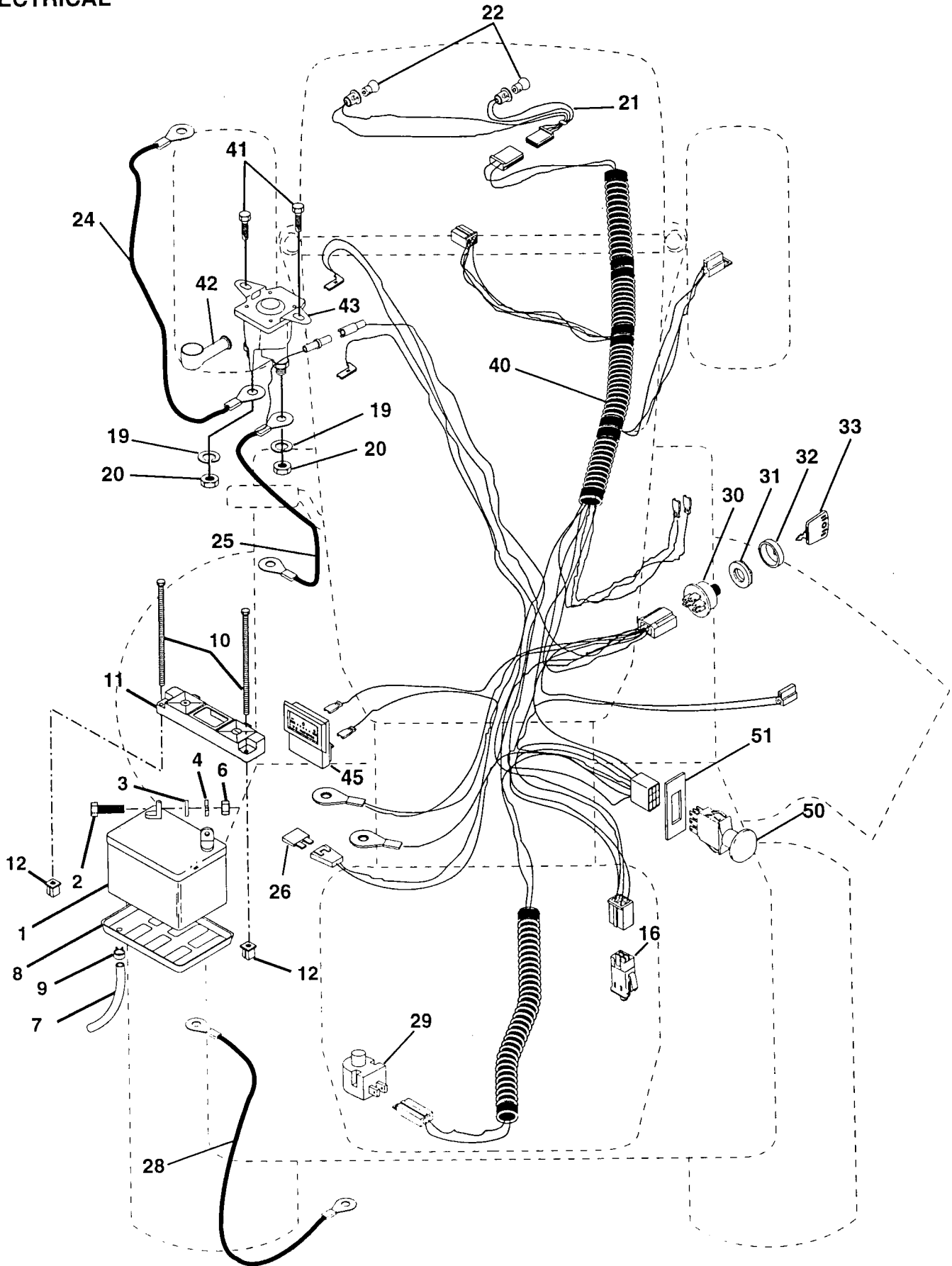
WIRING INSULATED CLIPS

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

REPAIR PARTS

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ELECTRICAL



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ELECTRICAL

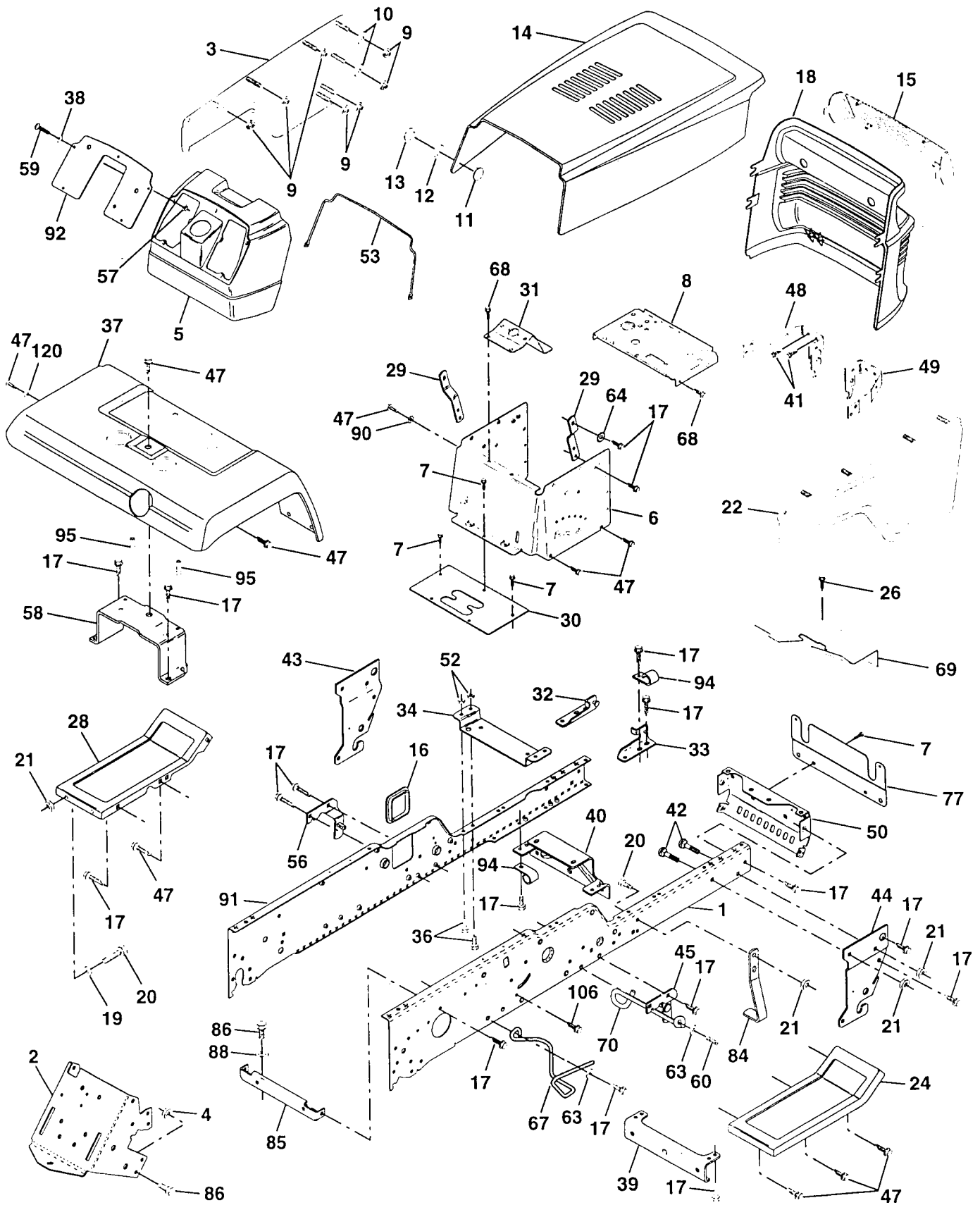
KEY NO.	PART NO.	DESCRIPTION
1	144926	Battery
2	74760412	Bolt Hex Head 1/4-20 x 3/4
3	STD551125	Washer, Lock 1/4
4	STD551025	Washer 9/32 x 5/8 x 16 Ga
6	STD541025	Nut Fin Hex 1/4-20
7	7697J	Tube Plastic
8	7603J	Tray, Battery
9	109596X	Clamp, Hose
10	145211	Bolt 1/4-20 x 7.5 Zinc
11	150109	Hold down Battery Dash Mount
12	145769	Nut Push Nylon 1/4"
16	153664	Switch Interlock Push-In
19	STD551125	Washer, Lock 1/4
20	73350400	Nut, Jam Hex 1/4-20
21	136850	Harness Socket Light W/4152J
22	4152J	Bulb Light
24	4799J	Cable, Battery
25	146149	Cable, Battery
26	108824X	Fuse
28	4207J	Cable, Ground
29	121305X	Switch, Plunger
30	140301	Switch, Ign
31	124211X	Nut, Ignition Switch
32	141226	Cover Switch Key
33	109310X	Key, Ignition
40	156155	Harness Ign.
41	17720408	Screw 1/4-20 x 1/2
42	131563	Cover, Terminal
43	145673	Solenoid
45	122822X	Ammeter
50	154963	Switch, PTO
51	140405	Ring Retainer PTO

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

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CHASSIS AND ENCLOSURES



REPAIR PARTS

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CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	150253	Rail, Frame RH	42	STD533710	Bolt, Carriage 3/8-16 x 1
2	140506	Drawbar, Gt	43	136939	Bracket, Spnsn Front Lh
3	136671X558	Panel Asm., Side LH	44	136940	Bracket, Spnsn Front Rh
4	73680700	Nut, Crown Lock Hex 7/16-14 Unc	45	154913	Bracket Asm., Susp Chassis Rh
5	145203	Dash, Plastic Black	47	17490608	Screw Thdrol 3/8-16 x 1/2
6	157882	Dash Lower VGT One-Piece	48	157105	Bracket Asm., Pivot Hood Lh
7	17720408	Screw, Thd Cut 1/4-20 x 1/2	49	157107	Bracket Asm., Pivot Hood Rh
8	145166	Support, Dash 1-Pc. Battery	50	152728	Bracket, Chassis Front
9	108067X	Nut, Pal	52	STD541431	Nut, Crownlock 5/16-18
10	19092016	Washer 9/32 x 1-1/4 x 16 Ga.	53	137304	Rod, Support Hood
11	137270	Rivet, Ratchet Male	56	154914	Bracket Asm., Susp Chassis Lh
12	137269	Washer, Nylon	57	73640400	Nut, Keps Hex 1/4-20
13	137271	Rivet, Ratchet Female	58	137113	Bracket Asm., Fender
14	136673X558	Hood Asm., Pnt	59	74180412	Screw, Mach Cr 1/4-20 x 3/4
15	136374	Lens, Bar Clear	60	17490620	Screw Thdrol 3/8-16 x 1-1/4
16	121794X	Cover, Access	63	19131614	Washer 13/32 x 1 x 14 Ga.
17	17490612	Screw, Thdrol 3/8-16 x 3/4	64	144283	Washer, Serrated Disc 13/32 x 1
18	136373x428	Grille	67	156973	Guide, Belt T/A
19	19131312	Washer 13/32 x 13/16 x 12 Ga.	68	17490508	Screw, Thd 5/16-18 x 1/2
20	STD523710	Bolt, Fin Hex 3/8-16 x 1	69	153991	Shield, Heat Muffler
21	STD541437	Nut, Crownlock 3/8-16 Unc	70	137159	Guide, Belt Mid Span
22	136670X558	Panel Asm., Side RH	77	137308	Shield, Front
24	145243X558	Footrest, RH	84	142992	Stop, Over Center Mower
26	17490512	Screw, Thdrol 5/16-18 x 3/4	85	144911	Bracket, Support Transaxle
28	145244X558	Footrest, LH	86	74760716	Bolt, Fin Hex 7/16-14 Unc x 1
29	145349	Bracket, Support Dash	88	STD551143	Washer, Lock Hvy HLCL. Spr. 7/16
30	145051X014	Saddle	90	STD551237	Washer, Lock External Tooth 3/8
31	145183	Bracket, Support 1-Pc Steering VGT	91	156586	Rail, Frame Lh
32	141315	Bracket Asm., Frame Pivot Lh	92	156281X011	Plate, Silkscreen Dash
33	141314	Bracket Asm., Frame Pivot Rh	94	100207K	Clip, Fuel Line
34	142131	Bracket, Engine Support Rear	95	105531X	Push Nut, Nylon
36	74780512	Bolt, Fin Hex 5/16-18 x 3/4	106	138776	Screw, Thdrol Hex Head Zinc Mwr
37	121642X558	Fender, Pnt.	120	19131616	Washer 13/32 x 1 x 16 Ga.
38	19091216	Washer 9/32 x 3/4 x 16 Ga.	--	8022J	Plug, Hole
39	136961	Bracket, Axle Front			
40	156111	Bracket, Support Axle/Engine			
41	17580408	Screw Tap Tite 1/4-20 x 1/2			

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GROUND DRIVE

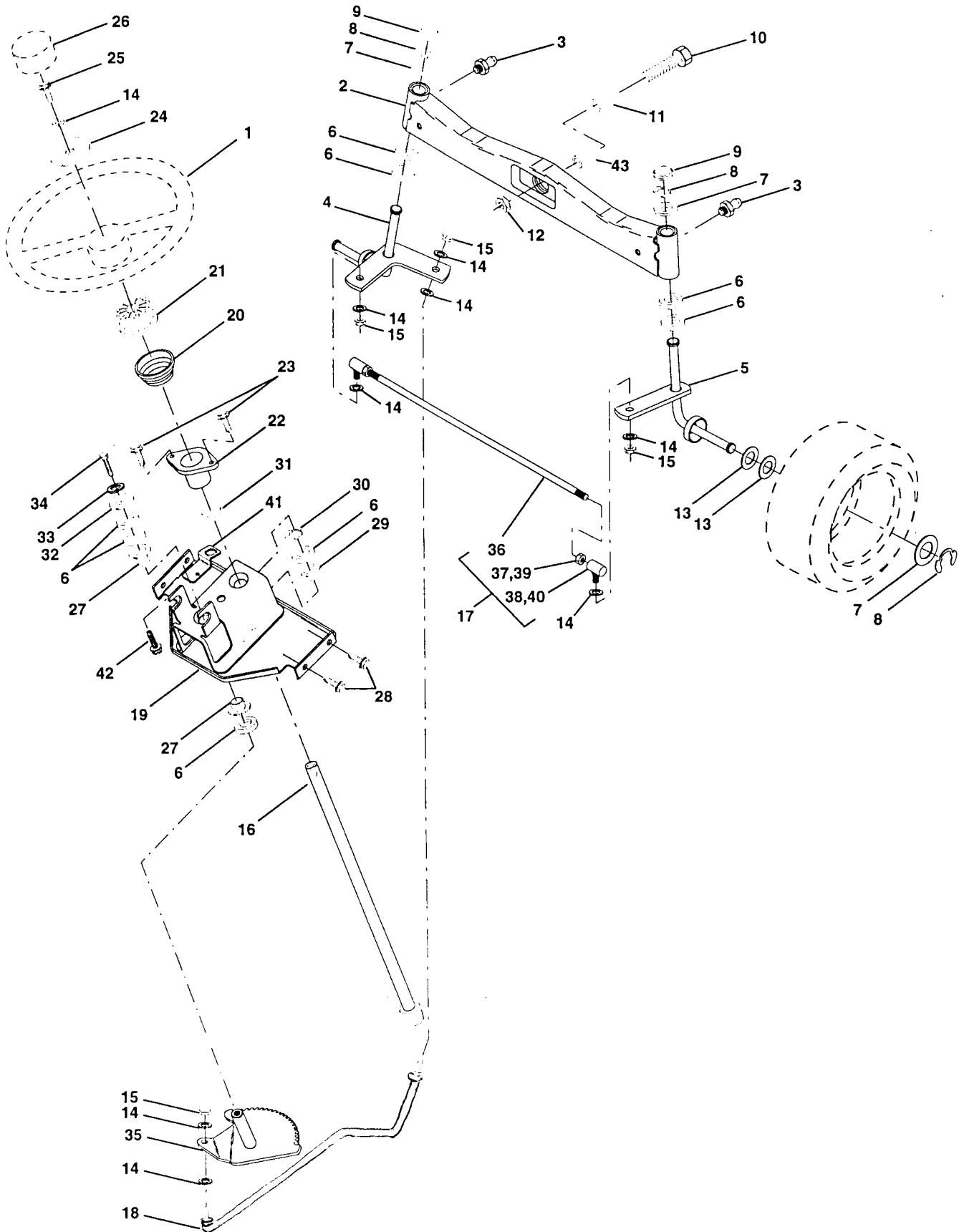
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	9858M1	Key, Woodruff	37	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
3	7563R	Washer, Thrust, Axle	38	150035	Nyliner
4	17490508	Screw, Thdrol. 5/16-18 x 1/2 Tyt	39	74321016	Screw, Fin. #10-24 x 1
5	STD541437	Nut, Crownlock 3/8-16	40	5304J	Actuator, Interlock Switch
6	STD561210	Pin, Cotter	41	73631000	Locknut #10-24
7	149176	Hub Asm. Wheel Rear	42	8883R	Cover, Pedal
8	12000034	Klip, Ring	44	155246	Bracket, Interlock
9	140080	Bolt, Hub	46	145170	Retainer, Spring
10	142509	Disc, Brake	47	138228	Clutch Rod
11	136927	Yoke, Brake Disc	48	72110612	Bolt, Carriage 3/8-16 x 1-1/2 Gr. 5
12	9204H	Locknut 1/2-20	50	131494	Pulley, Idler, Flat
13	139419	Washer, Special	51	STD541437	Locknut, Hex 3/8-16
14	138901	Bushing	52	139123	Pulley, Idler, Grooved
15	STD551037	Washer 13/32 x 13/16 x 16 Ga.	53	207J	Washer, Hardened
16	143012	Set, Screw 1/4-28 x 3/4	54	156563	Clutch, Arm Assembly
17	126909X	Spring	55	105706X	Bearing, Idler
18	137104	Lever, Brake	56	137153	V-Belt
19	136926	Cam, Brake Disc	57	141756	Bracket, Shift Rod, Hi-Lo
21	23260412	Screw, Flat Head 1/4-28 x 3/4	59	122253X	Shift Rod, Hi-Lo
22	633A109	Gearshift, Lever Assembly	60	122268X	Spring Clip, Connecting Link
23	106932X	Knob	61	137524	Pulley, Transaxle
24	136925	Support, Puck Brake	62	STD551143	Washer, Lock 7/16
25	136923	Puck, Brake Top	63	74760720	Bolt, Fin Hex 7/16-14 x 1-1/4
26	137552	Spring, Return	64	154752	Shaft, Clutch/Brake Pedal
27	17490528	Screw, Hex Wsh Thd. 5/16-18 x 1-3/4	65	67609	Bolt, Shoulder
28	STD541237	Nut, Hex Jam 3/8-16	66	140296	Washer, Hardened
29	137213	Brake, Rod	67	19131312	Washer, Flat
30	19131616	Washer 13/32 x 1 x 16 Ga.	68	STD571812	Pin, Roll
34	124236X	Cap, Plunger	69	136327	Hub, Cover
35	137648	Rod, Parking Brake	117	73900600	Nut Lock Fig. 3/8-16 Unc
36	149412	Spring, Drive Ground			

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1 inch = 25.4 mm

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STEERING ASSEMBLY



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STEERING ASSEMBLY

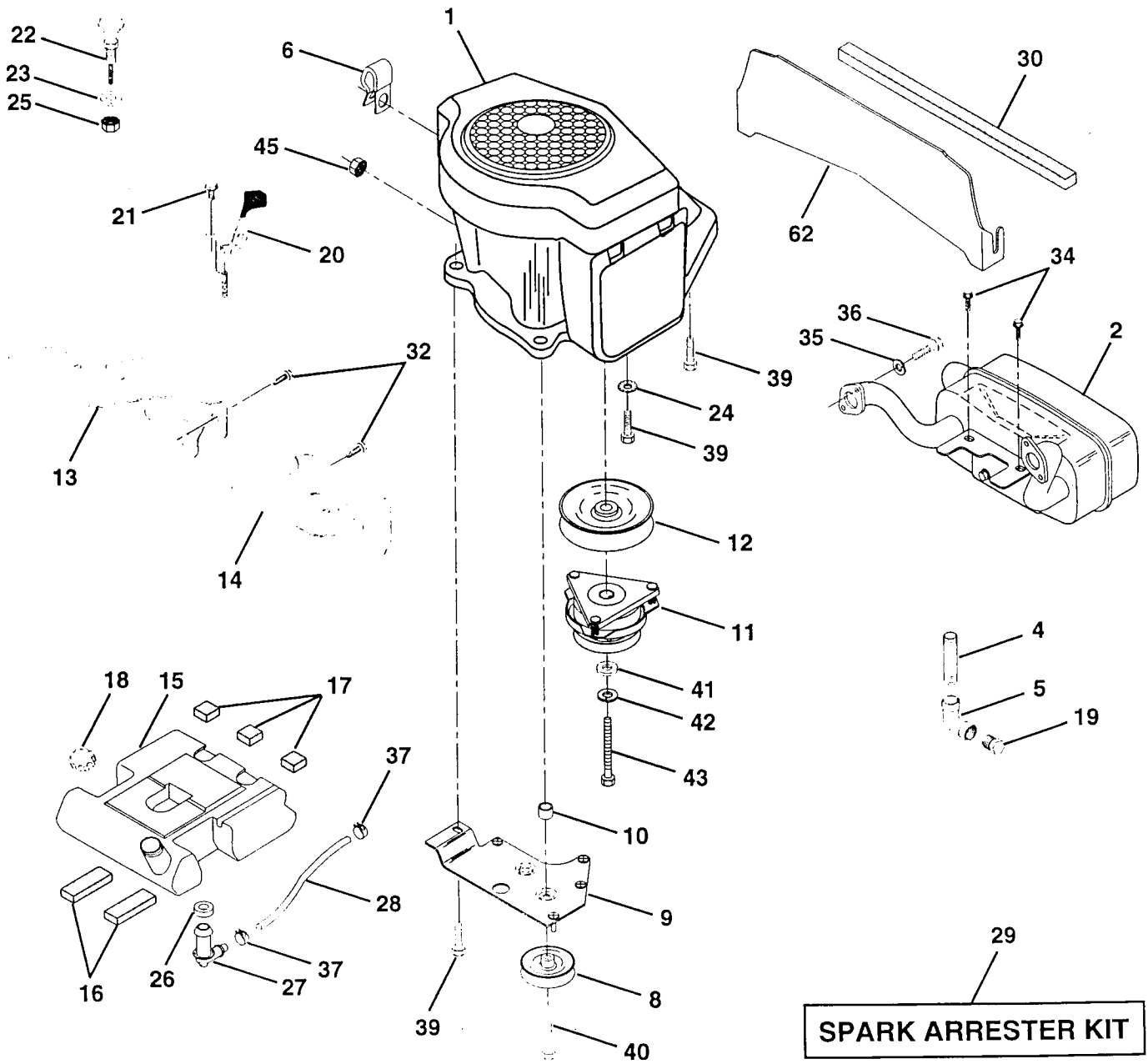
KEY NO.	PART NO.	DESCRIPTION
1	121472X	Wheel, Steering
2	137094	Axle Asm., Front
3	6855M	Fitting, Grease
4	136960	Spindle Asm, LH
5	136959	Spindle Asm., RH
6	6266H	Bearing, Race Thrust Harden
7	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
8	12000029	Ring, Klip #T5304-75
9	121232X	Cap, Spindle
10	74781044	Bolt, Fin Hex 5/8-11 x 2-3/4
11	154779	Bearing Axle STL/GT
12	73901000	Nut, Lock Flange 5/8-11 Unc
13	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
14	STD551137	Washer, Lock Hvy Hlcl Spr 3/8
15	STD541537	Nut, Lock Center 3/8-24 Unf
16	145103	Shaft Asm., Steering
17	137347	Rod Asm., Tie Ball J Ball Vgt (Inc. Key No. 36-40)
18	137155	Draglink, Ball Joint Solid Vgt
19	156011	Support Asm., Steering Vgt
20	145182	Column, Steering
21	100711L	Adapter, Wheel Steering
22	155105	Bushing, Strg. Blk
23	152927	Screw
24	19133808	Washer 13/32 x 2-3/8 x 8 Ga.
25	STD523710	Bolt, Fin Hex 3/8-16 x 1 Gr. 5
26	126805X	Cap, Wheel Steering
27	3366R	Bearing, Col. Strg.
28	17490612	Screw, Thdrol 3/8-16 x 3/4
29	104239X	Bearing, Flange
30	12000034	Ring, Klip Truarc #5304-75
31	138136	Bushing, Nyliner Snap
32	19111610	Washer 11/32 x 1 x 10 Ga.
33	STD551131	Washer, Lock Hvy Hlcl Spr 5/16
34	STD523107	Bolt, Hex Hd 5/16-18 x 3/4
35	138059	Gear, Sector Steering
36	137156	Tie Rod
37	73360600	Jam Nut RH Thread
38	109850X	Joint Asm. Ball RH Thread
39	73700600	Jam Nut LH Thread
40	109851X	Joint Asm. Ball LH Thread
41	155246	Bracket Switch Interlock VGT97
42	17490508	Screw Thdrol 5/16-18 X 1/2 TYT
43	154780	Spacer Axle

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ENGINE



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ENGINE

KEY NO.	PART NO.	DESCRIPTION
1	-----	Engine (See Breakdown) Kohler MV18S-58560
2	144110	Muffler Asm Kohler VGT (Inc. Key No. 34)
4	13280328	Nipple Pipe 3/8NPT X 3 - 1/2
5	13200300	Elbow STD 90 Degree 3/8 - 18 NPT
6	138129	Clamp Tube Double Engine
8	121361X	Pulley V-Idler
9	150828	Keeper Asm Belt Engine VGT 96
10	105432X	Bushing
11	137140	Clutch Electric
12	136907	Pulley Engine VGT Elect Clutch
13	154575	Baffle Air LH VGT
14	154574	Baffle Air RH VGT
15	151346	Tank Fuel Rear 3.50 Yt/Gt
16	109227X	Pad Idler
17	106082X	Pad Spacer
18	152334	Cap Asm Fuel W/Guage Vented
19	13290300	Plug Oil Drain (Order From Engine Manufacturer)
20	133439	Control Throttle
21	17720410	Screw Hex Thd Cut 1/4 - 20 X 5/8
22	138672	Control Choke
23	19132616	Washer 13/32 X 1 - 5/8 X 16 Ga
24	STD551237	Washer Ext Tooth 3/8
25	73920600	Nut Keps 3/8-24 UNF
26	3645J	Bushing
27	139277	Stem Tank Fuel
28	7834R	Fuel Line
29	132920	Spark Arrester Kit
30	105037X	Strip Foam
32	17490508	Screw Thdrol 5/16 - 18 X 1/2
34	17720408	Screw Thd Cut 1.4 - 20 x 1/2
35	STD551131	Washer Lock 5/16
36	74570512	Screw Hex 5/16 - 16 UNC X 3/4
37	123487X	Clamp Hose
39	17490624	Screw Thdrol 3/8 - 16 X 1 - 1/2 TT
40	17490652	Screw Thdrol 3/8 - 16 X 3 - 1/4
41	126197X	Washer 1-1/2 OD X 15/32 ID X .250
42	STD551143	Washer Lock 7/16
43	150280	Bolt Hex 7/16 - 20 X 4 - 1/4 Ga 5
45	128861	Nut, Flange 1/4-20 Starter Nut
62	137373	Shield, Heat Kohler Vgt

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