



REPAIR PARTS MANUAL

MODEL NO. RZ145H42A

Lawn Tractor

Rally

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 - "RZ145H42A"
- Part Number
- Part Description

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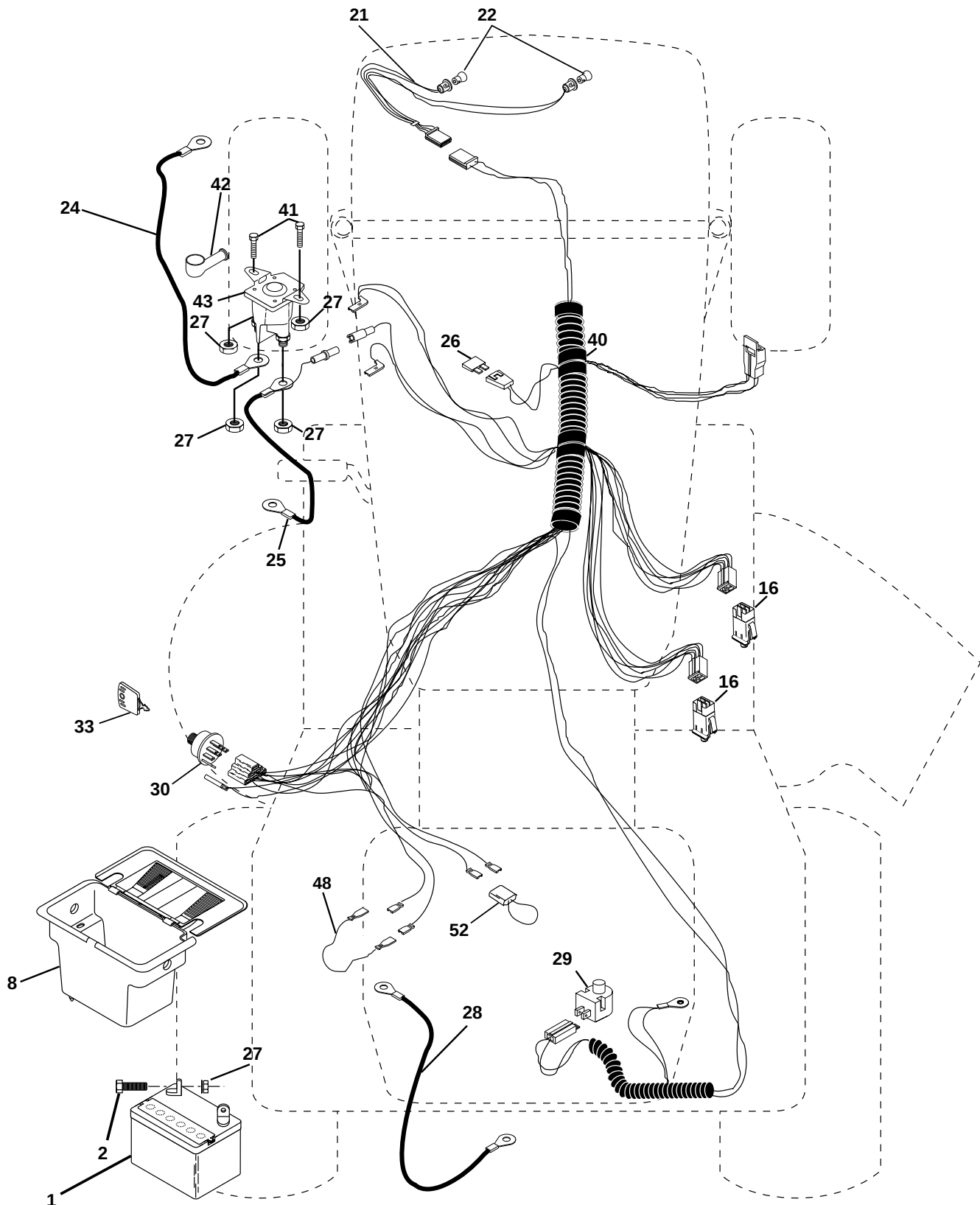
SCHEMATIC



REPAIR PARTS

TRACTOR - - MODEL NUMBER RZ145H42A

ELECTRICAL



REPAIR PARTS

TRACTOR - - MODEL NUMBER RZ145H42A

ELECTRICAL

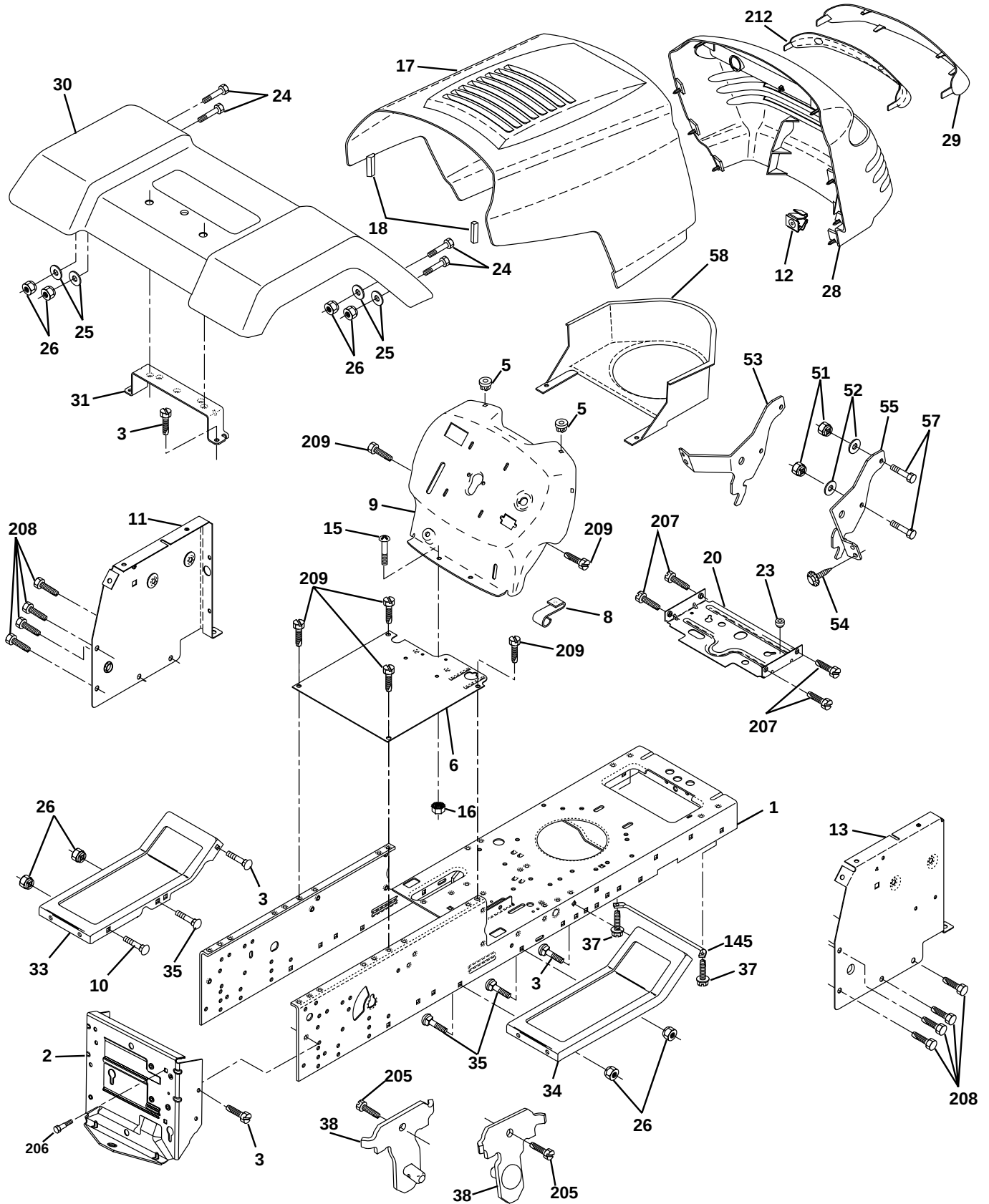
KEY NO.	PART NO.	DESCRIPTION
1	144925	Battery 12 Volt 25 Amp
2	74760412	Bolt Hex Hd 1/4-20unc X 3/4
8	156417	Case Battery
16	153664	Switch Interlock Push-In
21	166181	Harness Asm Light W/4152J
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga 11"red
25	146147	Cable Battery 6 Ga red W/ 16" Wire
26	175158	Fuse 20 AMP
27	73510400	Nut Keps Hex 1/4-20 UNC
28	4207J	Cable Ground 6 Ga 12" black
29	121305X	Switch Plunger Nc Gray
30	175566	Switch, Ignition
33	140401	Key Ign
40	170217	Harness Ign
41	71110408	Bolt Blk Fin Hex 1/4-20 x 1/2
42	131563	Cover Terminal Red
43	175141	Solenoid
48	140844	Adapter Ammeter Rectangular
52	141940	Protection Wire Loop

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER RZ145H42A

CHASSIS AND ENCLOSURES



REPAIR PARTS

TRACTOR - - MODEL NUMBER RZ145H42A

CHASSIS AND ENCLOSURES

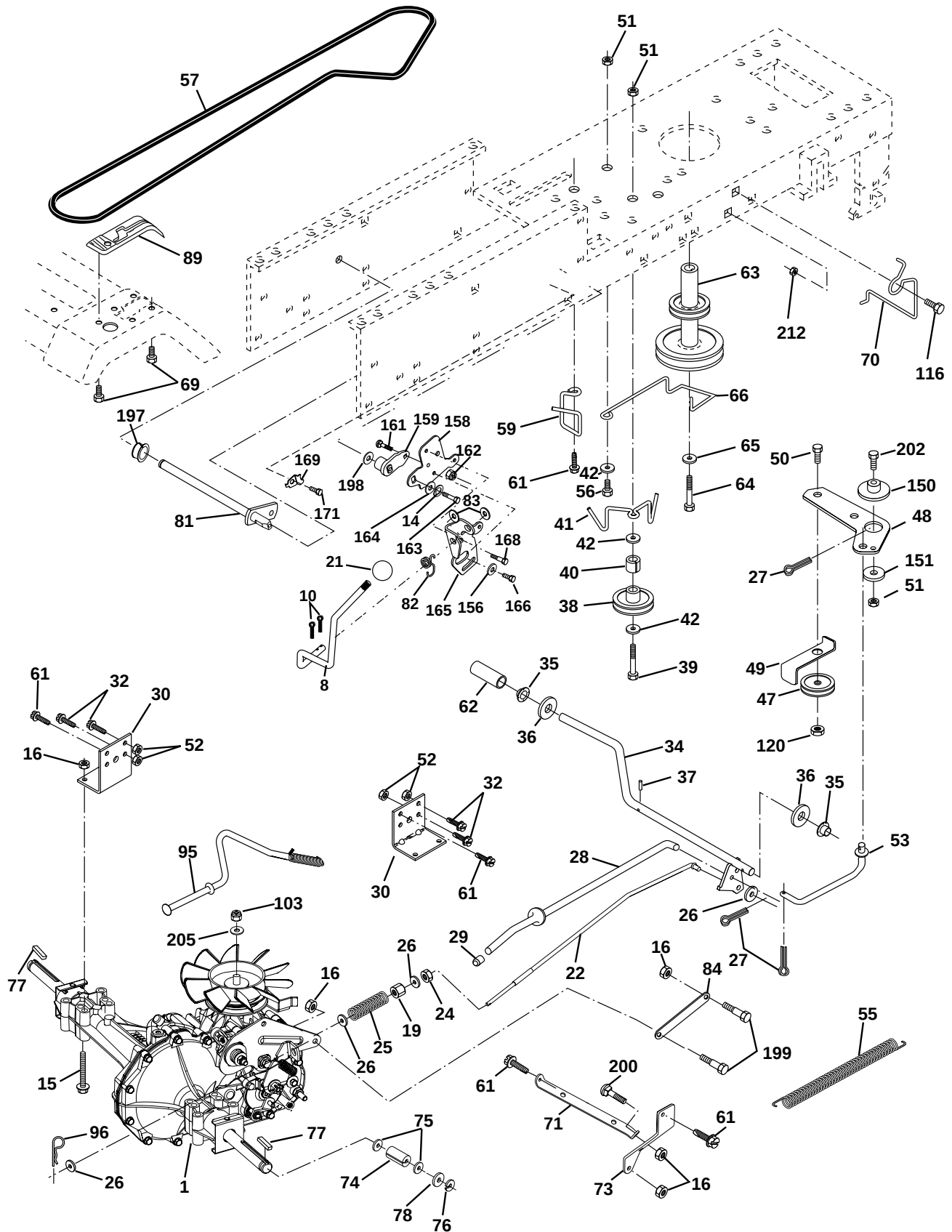
KEY NO.	PART NO.	DESCRIPTION
1	169831	Chassis
2	176554	Drawbar
3	17060612	Screw 3/8-16 x 3/4
5	155272	Bumper Hood/Dash
6	155923	Saddle
8	155138	Clip, Retainer Slide-On
9	168347X011	Dash
10	72140608	Bolt, Carriage 3/8-16 x 1
11	155927	Dashboard, panel LH
12	145660	Clip Tinnerman Grille P/L
13	172107X010	Dashboard, panel RH
15	74180512	Machine screw 5/16-18 unc x 3/4
16	73510500	Nut, Keps 5/16-18 Unc
17	159639X505	Hood Pnt Stl P/L w/Trim 505
18	126938X	Bumper Hood
20	156437	Plate MTG Batt/Fuel Tank
23	124028X	Bushing Snap
24	74780616	Bolt, Hex Head, Fin. 3/8-16 x 1 Grade 5
25	19131312	Washer 13/32 x 13/16 x12 Gauge
26	73800600	Nut Lock Hex w/Ins. 3/8-16 Unc
28	140434	Grille/Lens Asm.
29	140273X599	Lens
30	169467X505	Fender
31	136619	Fender Bracket
33	145244X505	Footrest, LH
34	145243X505	Footrest, RH
35	72110606	Bolt 3/8-16 X 3/4
37	17490508	Screw Thdrol 5/16-18 x 1/2
38	175710	Bracket Asm. Pivot Mower Rear
51	73800400	Nut Lock, w/Insert 14/20 UNC
52	19091416	Washer 9/32 x 7/8 x 16 Ga.
53	144697	Bracket Grille
54	161464	Screw Hex WsHd 8-18 x 7/8
55	144696	Bracket Grille RH
57	74780412	Bolt FinHex 1/4-20 UNC x .75
58	150127	Duct Air Engine P/L LT
145	156524	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 Thdrol 5/16-18 x 1/2
208	17670608	Screw Thdrol 3/8-16 x 1/2
209	17000612	Screw Hexwsh Thdr 3/8-16 x 3/4
212	156229	Insert Lens Reflect
--	5479J	Button Plug

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

REPAIR PARTS

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DRIVE



REPAIR PARTS

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DRIVE

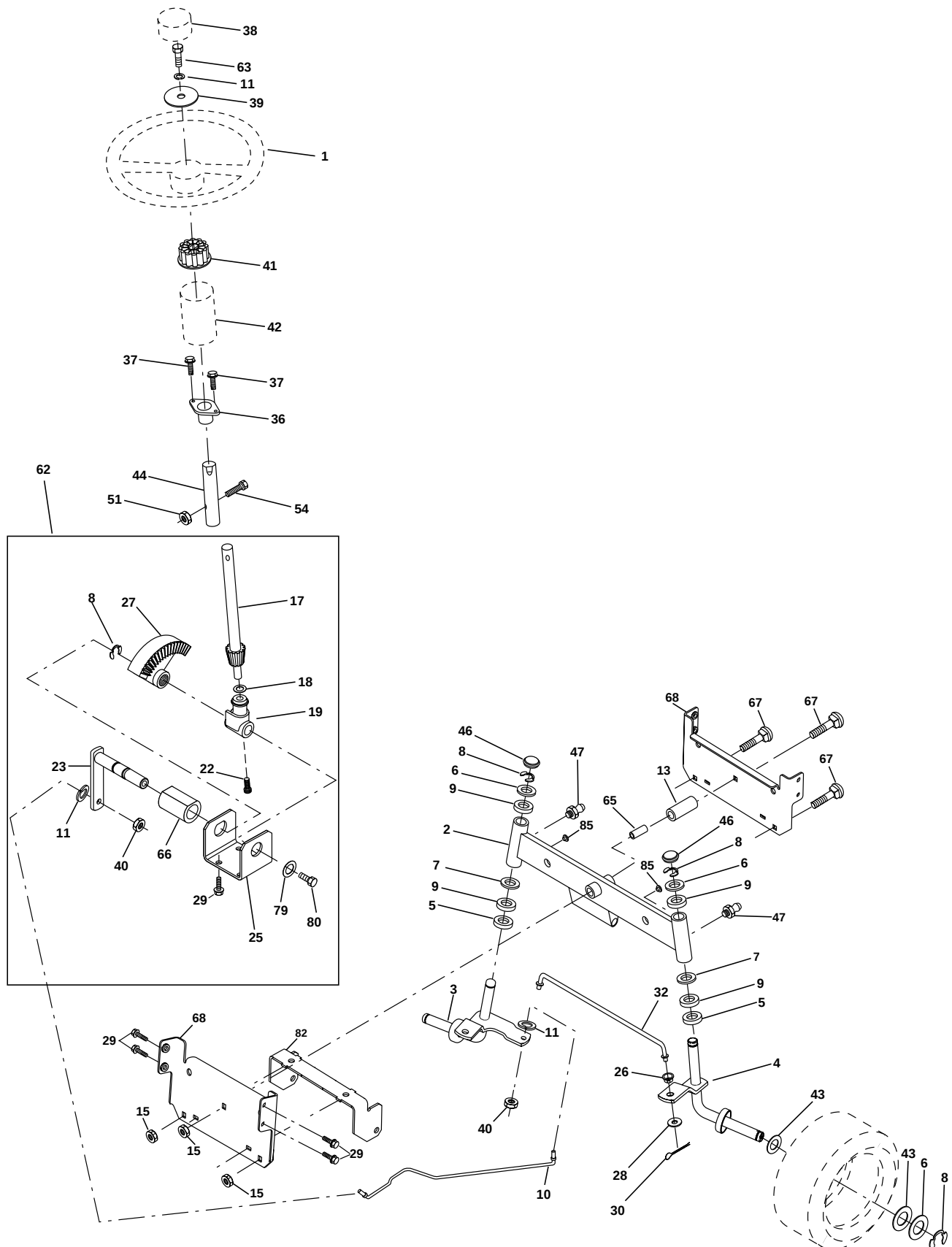
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	-----	Transaxle Hydro Gear Model 322-0510 (Order parts from the transaxle manufacturer)	69	142432	Screw Hex Wsh Hi-Lo 1/4-1/2 Unc
8	165619	Rod, Shift	70	134683	Guide, Belt, Mower Drive RH
10	76020416	Pin, Cotter 1/8 x 1	71	169183	Strap, Torque, Lh
14	10040400	Washer Lock 1/4	72	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
15	74490544	Bolt Hex Flghd 5/16-18 Gr. 5	73	169182	Strap, Torque, Rh
16	73800500	Nut, Lock Hex w/Ins 5/16-18 UNC	74	137057	Spacer, Axle
19	73800600	Nut, Lock Hex w/Wsh 3/8-16 UNC	75	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
21	106933X	Knob Rd. 1/2-13 Plstc. Thds. Blk.	76	12000001	Ring, E
22	169498	Rod, Brake	77	123583X	Key, Square
24	73350600	Nut	78	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
25	106888X	Spring, Rod, Brake	81	165596	Shaft Asm Cross
26	19131316	Washer 13/32 x 13/16 x 16 Ga.	82	123782X	Spring, Torsion
27	76020412	Pin, Cotter 1/8 x 3/4	83	19171216	Washer 17/32 x 3/4 x 16 Ga.
28	145204	Rod, Parking Brake	84	169843	Link Transaxle
29	71673	Cap, Parking Brake	89	169373X428	Console, Shift
30	174973	Bracket, Transmission	95	170201	Control Asm Bypass Hydro
32	74760512	Bolt Hex 5/16-18 UNC x 3/4	96	4497H	Spring, Retainer 1"
34	155071	Shaft, Foot Pedal	103	73940800	Nut, Hex Jam Toplock 1/2-20 UNF
35	120183X	Bearing, Nylon	116	72140608	Bolt Rdhd Sq Neck 3/8-16 Unc x 1
36	19211616	Washer	120	73900600	Nut Lock Flg. 3/8-16 Unc
37	1572H	Pin, Roll	150	165850	Bushing Bellcrank Grd Drive
38	131494	Pulley, Idler, Flat	151	19133210	Washer 13/32 x 2 x 10
39	74760644	Bolt	156	166002	Washer 5/16 x 1.0 x 1.25
40	4470J	Spacer, Split	158	165589	Bracket Shift Mount
41	165838	Keeper, Belt, Idler	159	165494	Hub Tapered Flange Shift
42	19131312	Washer 13/32 x 13/16 x 12 Ga.	161	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr. 5
47	127783	Pulley, Idler, V-Belt	162	73680400	Nut Crownlock 1/4-20 Unc
48	154407	Bellcrank Clutch Grnd Drustl	163	74780416	Bolt Hex Fin 1/4-20 x 1
49	123205X	Retainer, Belt	164	19091010	Washer 5/8 x .281 x 10 Ga.
50	74760624	Bolt	165	165623	Bracket Pivot Lever
51	73680600	Nut	166	166880	Screw 5/16 x 1.0 x .125
52	73680500	Nut Crownlock 5/16-28	168	165492	Bolt Shoulder 5/16-18 x .561
53	105710X	Link, Clutch	169	165581	Plate Fastener
55	105709X	Spring, Return, Clutch	171	17490608	Screw Thdrol 3/8-16 x 1/2
56	74760620	Bolt, Hex 3/8-16 UNC x 1-1/4	197	169613	Nyliner Snap-in 5/8" ID
57	140294	V-Belt, Drive	198	169593	Washer Nyl 7/8ID x .105"HYD
59	169691	Keeper, Belt, Center	199	169612	Bolt Shoulder 5/16-18 Unc
61	17060612	Screw, 3/8-16 x 3/4	200	72140508	Bolt Rdhd Sqnk 5/16-18 Unc x 1
62	8883R	Cover, Pedal	202	72110612	Bolt Car SH 3/8-16 x 1-1/2 Gr 5
63	140186	Pulley, Engine	205	19171616	Washer 17/32 x 1 x 16 Ga
64	71170764	Bolt Hex 7/16 x 4 Gr. 5	212	145212	Nut Hex Flange Lock
65	10040700	Washer			
66	154778	Keeper, Belt Engine Hydro			

NOTE: All component dimensions given in U.S. inches
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REPAIR PARTS

TRACTOR - - MODEL NUMBER RZ145H42A

STEERING WHEEL



REPAIR PARTS

TRACTOR - - MODEL NUMBER RZ145H42A

STEERING WHEEL

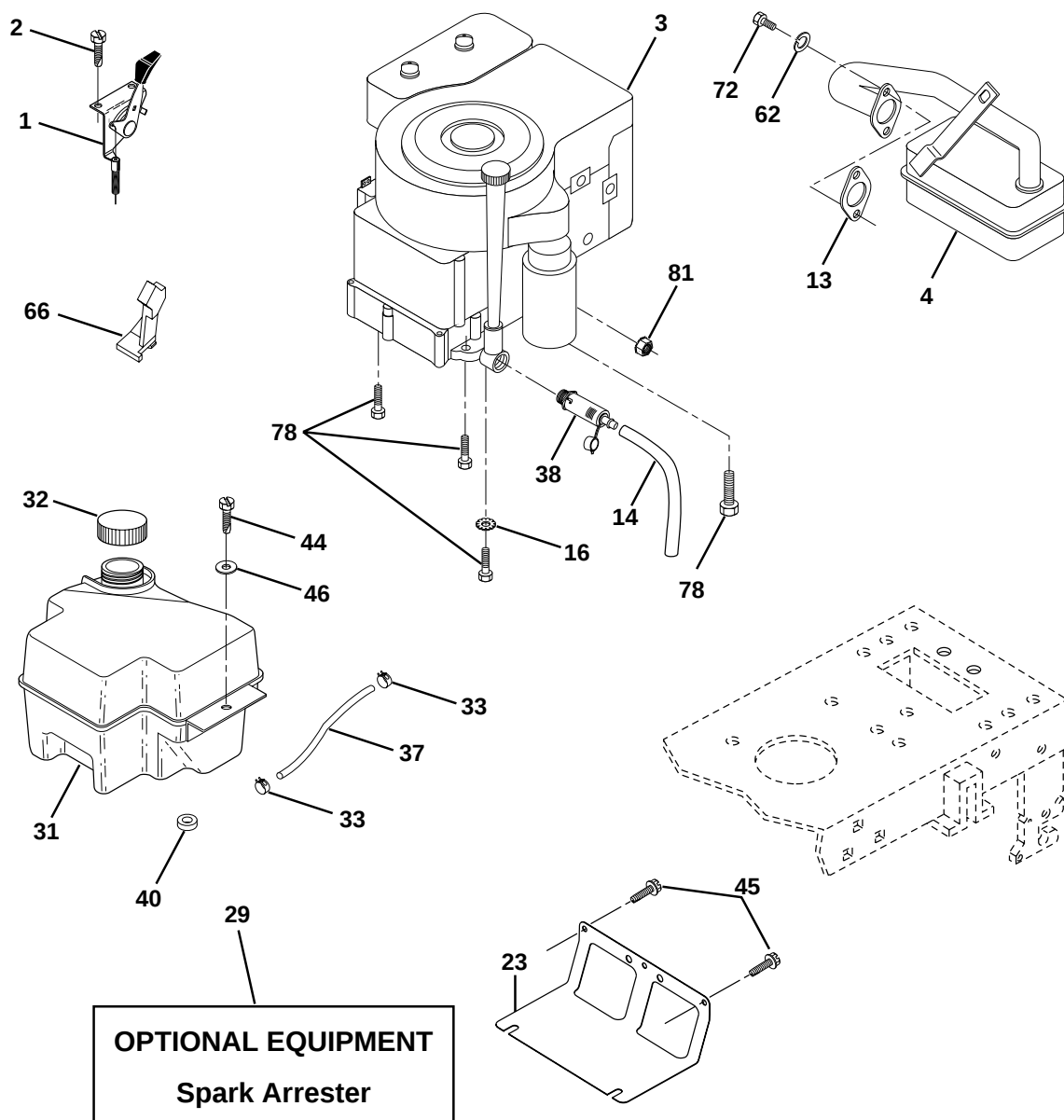
KEY NO.	PART NO.	DESCRIPTION
1	140044X428	Wheel, Steering
2	154427	Asm. Axle, Rear
3	169840	Asm., Spindle, Lh
4	169839	Asm., Spindle, Rh
5	6266H	Bearing, Thrust, Hardened
6	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
7	19272016	Washer 27/32 x 1-1/4 x 16 Ga.
8	12000029	Ring, Clip
9	3366R	Bearing
10	169832	Link, Drag
11	10040600	Washer, Lock
13	136518	Bearing, Axle
15	145212	Nut, Hex Flange Lock
17	156546	Asm. Shaft, Steering
18	57079	Washer, Thrust .515 x .750 x .033
19	160395	Support, Shaft
22	165857	Screw, Hex Wsh Hd Torx
23	165851	Shaft Asm. Pittam
25	154406	Bracket, Steering
26	126847X	Bushing, Link, Drag
27	136874	Gear, Sector
28	19131416	Washer 13/32 x 7/8 x 16 Ga.
29	17060612	Screw 3/8-16 x 3/4
30	76020412	Pin, Cotter
32	130465	Rod, Tie
36	155099	Bushing, Steering
37	152927	Screw
38	140045X428	Insert, Steering
39	19133812	Washer 13/32 x 2-3/8 x 12 Ga.
40	7810H	Nut
41	100711L	Adapter, Steering
42	145054X428	Boot, Shaft Steering Blk
43	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
44	153720	Extension Shaft Steering LR.LT
46	121232X	Cap, Spindle
47	6855M	Fitting, Grease
51	73800500	Nut Lock Hex w/Ins. 5/16-18 UNC
54	74780520	Bolt Fin Hex 5/16-18 UNC x 1-1/4
62	167902	Kit, Steering Asm, Service
63	74780616	Bolt, FinHex 3/8-16 UNC x 1 Gr. 5
65	160367	Spacer Axle
66	154404	Bearing Arm Pittman
67	72140618	Bolt, Rdhd Sq 3/8-16 Unc x 2-1/4
68	169827	Axle, Brace
79	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
80	74950612	Bolt Hex Nylon 3/8-16 x 3/4
82	169835	Bracket Susp. Chassis Front
85	133835	Fastener Christmas Tree

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TRACTOR - - MODEL NUMBER RZ145H42A

ENGINE

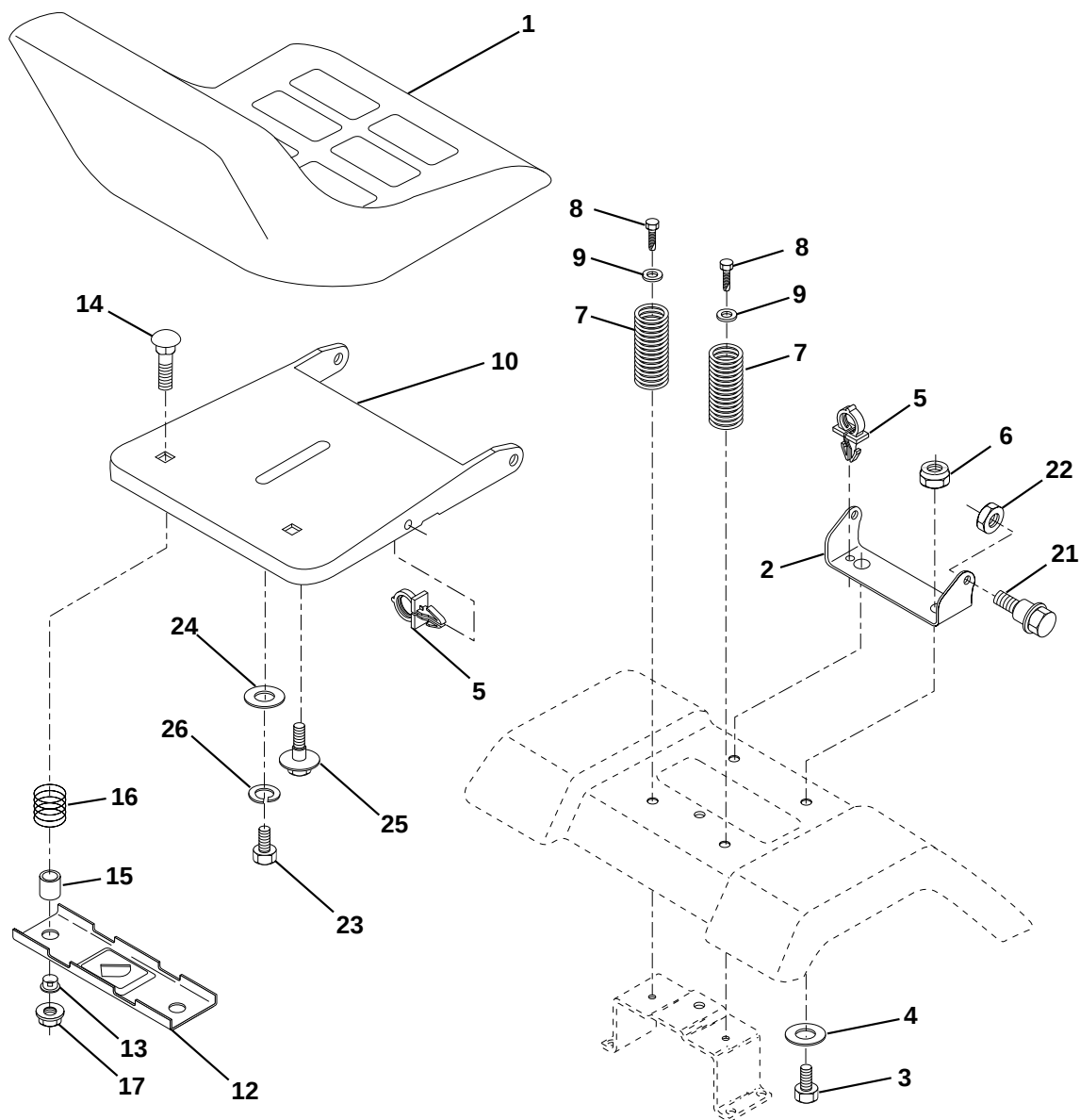


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	170865	Control Th/ch	37	137040	Line Fuel
2	17720410	Screw Hex Thd Cut 1/4-20x5/8 T	38	148315	Plug Drain Oil Easy
3	-----	Engine Briggs Model No. 287707 (Order parts from engine manufacturer)	40	124028X	Bushing Snap Nyl Blk Fuel Line
4	137352	Muffler Exhaust B&S	44	17670412	Screw Hex Wsh Thdrol 1/4-20 x 3/4
13	165291	Gasket Eng	45	17000612	Screw Hex Wsh Thdr 3/8-16 x 3/4
14	148456	Tube Drain Oil Easy	46	19091416	Washer 9/32 X 7/8 X 16 Ga
16	11050600	Washer Lock Ext Tooth 3/8	62	10040500	Washer 5/16
23	169837	Shield Brn/Dbr Guard	66	127951	Stop Throttle 3000 RPM
29	137180	Kit Spark Arrestor (Flat Scrn)	72	71070512	Screw 5/16-18 x 3/4
31	174642	Tank Fuel Front 2 00	78	17060620	Screw 3/8-16x1-1/4
32	140527	Cap Asm Fuel	81	73510400	Nut Keps Hex 1/4-20 Unc
33	123487X	Clamp Hose Blk	NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm.		

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SEAT



KEY NO.	PART NO.	DESCRIPTION
1	127428	Seat
2	140551	Bracket, Pivot, Seat
3	71110616	Bolt
4	19131610	Washer 13/32 x 1 x 10 Ga.
5	145006	Clip, Push-in
6	73800600	Nut
7	124181X	Spring, Seat
8	17000616	Screw 3/8-16 x 1
9	19131614	Washer 13/32 x 1 x 14 Ga.
10	174894	Pan, Seat
12	121246X	Bracket, Mounting, Switch, Seat
13	121248X	Bushing, Nylon

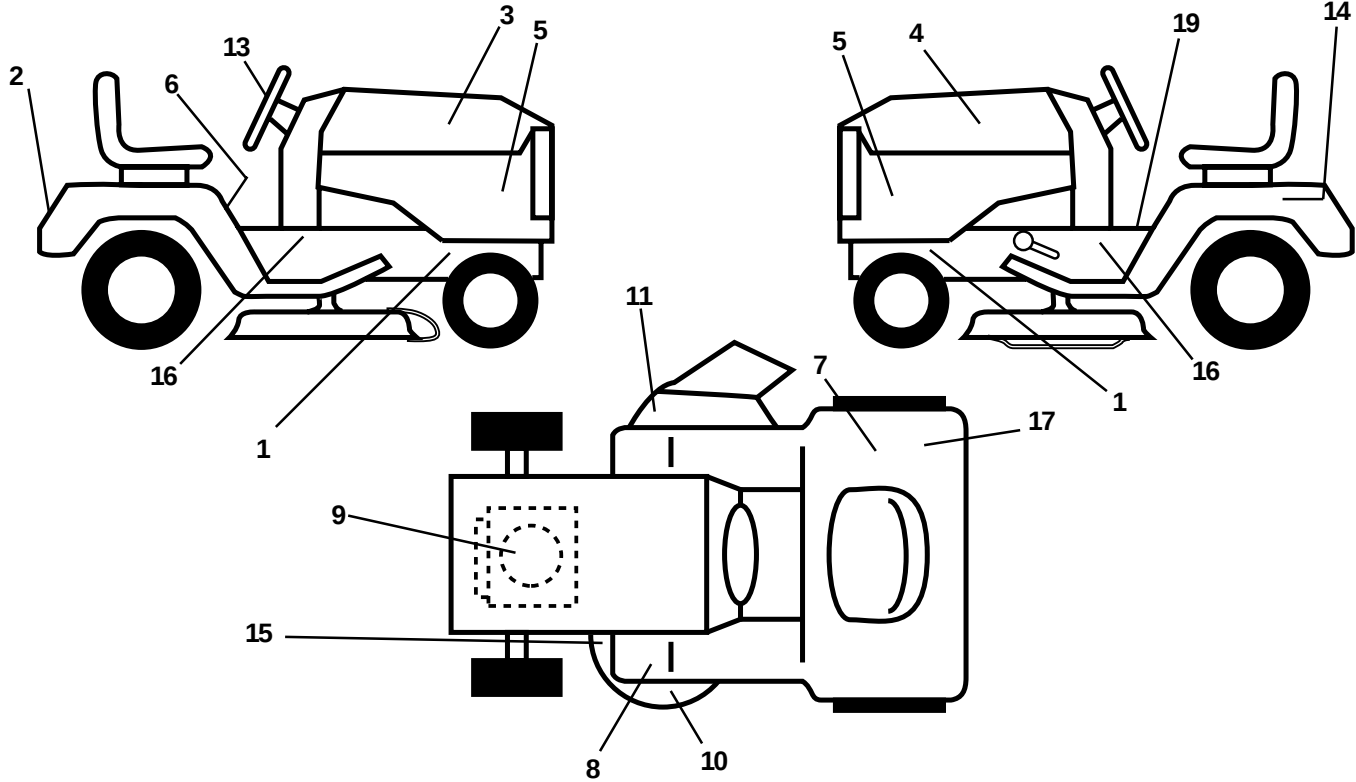
KEY NO.	PART NO.	DESCRIPTION
14	72050412	Nut, Crownlock 1/4-20 x 1-1/2
15	134300	Spacer, Split
16	121250X	Spring
17	123976X	Nut, Lock, Flange 1/4 Gr. 5
21	171852	Bolt, Shoulder 5/16-18 UNC
22	73800500	Nut
23	71110814	Bolt Hex
24	19171912	Washer 17/32 x 1-3/16 x 12 Ga.
25	127018X	Bolt Shoulder 5/16-18 x .62
26	10040800	Washer Lock Hvy Hclc Spr 1/2

NOTE: All component dimensions given in U.S. inches
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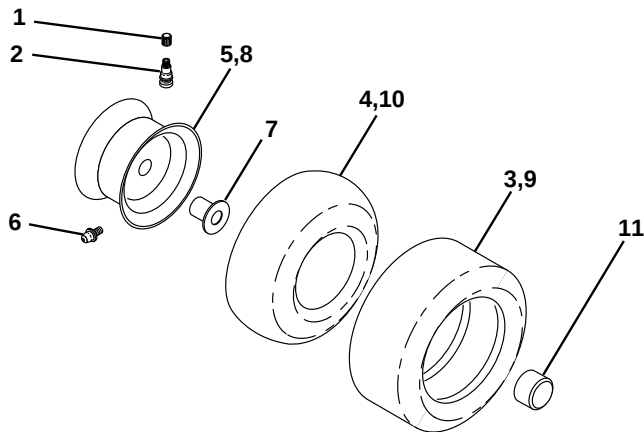
DECALS



KEY NO.	PART NO.	DESCRIPTION
1	159736	Decal, Chassis Hot Muffler
2	170752	Decal, Fender Logo
3	153266	Decal, Hood Rh
4	153267	Decal, Hood Lh
5	146644	Decal, Insert Hood
6	145498	Decal, Read Owner's Manual Syms
7	145437	Decal, Europe Stand CE
8	159737	Decal, Brake/Clutch Symbol LT
9	176396	Decal, HP Engine
13	146902	Decal, Steering Wheel
14	145005	Decal, Battery Dan/Poi P/L Symbols
15	160396	Decal, V-Belt

KEY NO.	PART NO.	DESCRIPTION
16	141801	Decal, Chassis
17	126187X	Decal, 100 DBA
19	140837	Decal, Parking Brake
--	138311	Decal, Handle, Lift, Height Adjust (Lift Handle)
--	162598	Decal, Drawbar Load Limit
--	169210	Decal, By-Pass
--	133671	Pad Footrest
--	177224	Manual, Operator's (European)
--	177225	Manual, Operator's (Scan)
--	177226	Manual, Repair Parts

TIRES AND WHEELS



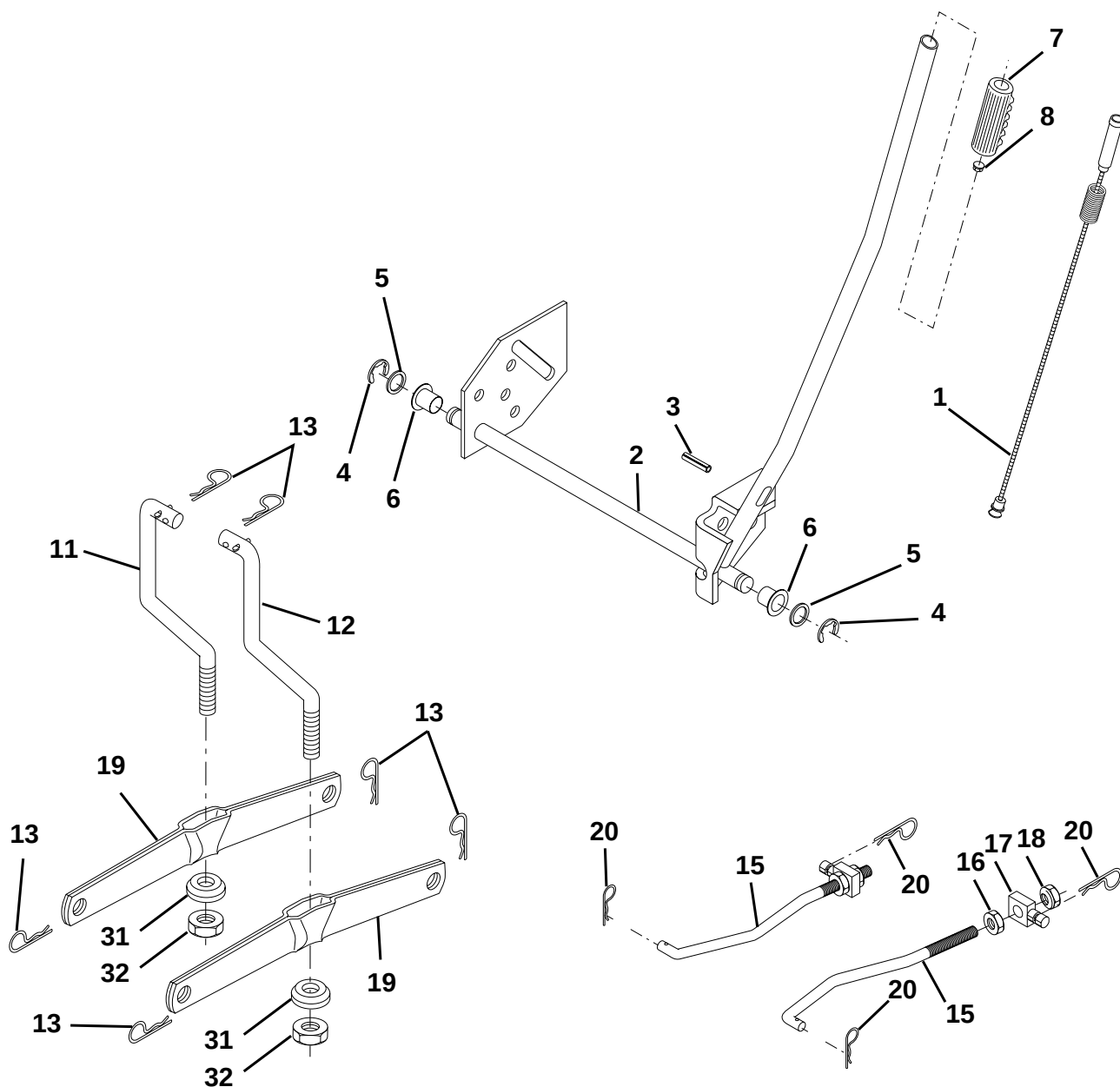
KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap, Valve
2	65139	Stem, Valve
3	106222X	Tire Front
4	59904	Tube, Front (not furnished)
5	106732X427	Rim, Asm. Front
6	278H	Grease Fitting (rear tire only)
7	9040H	Bearing, Flange (front tire only)
8	106108X427	Rim, Asm. Rear
9	106268X	Tire, Rear
10	7152J	Tube, Rear (not furnished)
11	104757X428	Cap, Axle
--	144334	Sealant, Tire (10 oz. Tube)

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REPAIR PARTS

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MOWER LIFT



KEY NO.	PART NO.	DESCRIPTION
1	159460	Asm. Inner Wire w/Plunger
2	159471	Asm., Shaft, Lift
3	105767X	Pin, Groove
4	12000002	Ring, E #5133-62
5	19211621	Washer 21/32 x 1 x 21 Ga.
6	120183X	Bearing, Nylon
7	109413X	Grip Handle Bicycle Matte Blk
8	124526X	Button, Plunger
11	139865	Link, Lift, Lh
12	139866	Link, Lift, Rh

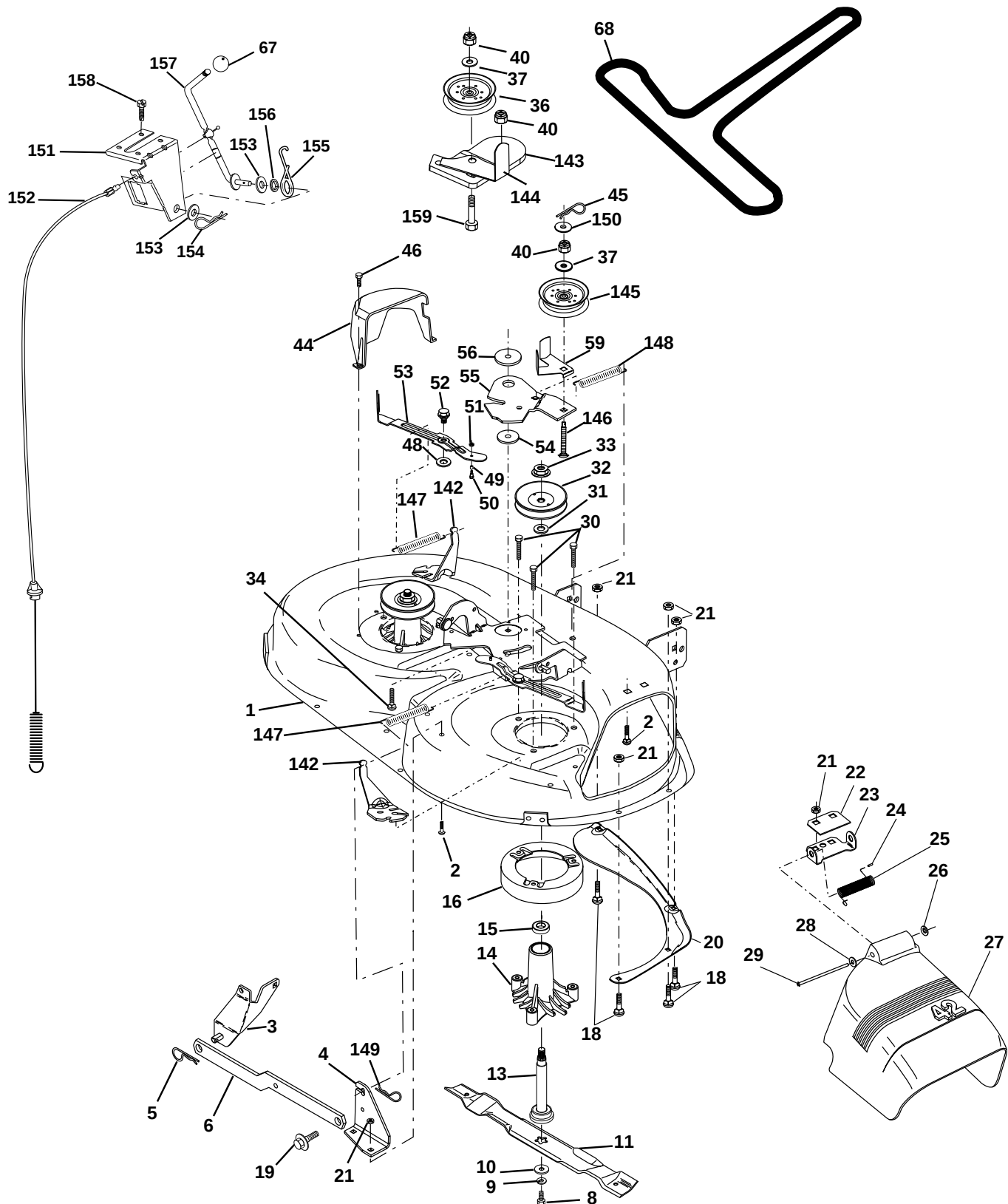
KEY NO.	PART NO.	DESCRIPTION
13	4939M	Spring, Retainer
15	173288	Link, Front
16	73350800	Nut, Jam, Hex 1/2-13 Unc
17	130171	Trunnion
18	73800800	Nut, Lock w/Wsh 1/2-13 Unc
19	139868	Arm, Suspension, Rear
20	163552	Spring, Retainer
31	169865	Bearing, Pvt Lft
32	73540600	Nut Crownlock 3/8-24

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REPAIR PARTS

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MOWER DECK



REPAIR PARTS

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MOWER DECK

KEY NO.	PART NO.	DESCRIPTION
1	165892	Mower Deck Assembly, 42"
2	72140506	Bolt
3	138017	Bracket Asm Fr. Sway Bar 3/42
4	165460	Bracket Asm Deck 42" Sway Bar
5	4939M	Retainer Spring
6	130832	Arm, Suspension, Rear
8	850857	Bolt 3/8-24 x 25 Grade 8 patched
9	10030600	Washer, Lock
10	140296	Washer, Hardened
11	138498	Blade Mower 42" Hi-Lift Std
13	137645	Shaft Assembly, Mandrel, Vented
14	128774	Housing, Mandrel, Vented
15	110485X	Bearing, Ball, Mandrel
16	140329	Stripper, Vented Mower Deck
18	72140505	Bolt, Carriage 5/16-18 x 5/8
19	132827	Bolt, Shoulder
20	159770	Baffle, Vortex
21	73680500	Nut
22	134753	Stiffener Bracket
23	131267	Bracket, Deflector Mower 42"
24	105304X	Cap, Sleeve 80 x 112 Blk Mower
25	123713X	Spring, Torsion, Deflector 2 52
26	110452X	Nut, Push Phos & Oil
27	130968X428	Shield, Deflector 42" Blk
28	19111016	Washer 11/32 x 5/8 x 16 Gauge
29	131491	Rod, Hinge 42" 6 75 W/G
30	157722	Screw Thdrol Washer Head
31	129963	asher, Spacer Mower Vented
32	153535	Pulley, Mandrel
33	137266	Nut, Toplock 9/16
34	72110614	Bolt
36	131494	Pulley, Idler, Flat
37	19131316	Washer 13/32 x 13/16 x 16 Gauge
40	73680600	Nut
44	140088	Guard, Mandrel, LH
45	4497H	Retainer

KEY NO.	PART NO.	DESCRIPTION
46	137729	Screw, Thdrol 1/4-20 x 5/8 T
48	133944	Washer, Hardened
49	174284	Roller Assembly, Cam Follower
50	131340	Bolt, Shoulder #10-24 Grade 5
51	69180	Locknut
52	139888	Bolt, Shoulder 5/16-18 UNC
53	131845	Arm Assembly, Pad, Brake
54	133943	Washer, Hardened
55	155046	Arm, Idler
56	165723	Spacer, Retainer
59	141043	Guard TUV Idler
67	106932X	Knob Round
68	144959	V-Belt, 42" Mower
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	131335	Spring Extension
148	169022	Spring Return Idler
149	165898	Retainer Spring Yellow
150	19091216	Washer 9/32 x 3/4 x 16 Ga.
151	169670	Bracket Clutch Cable
152	169676	Clutch Cable 42"
153	169674	Washer Flat 3/8" Type B
154	169675	Spring Retainer
155	169671	Spring Retention LVR CLTCH CAB
156	169672	Spacer Clutch Cable
157	169669	Rod Clutch Cable 3/8"
158	17720410	Screw Hex Thd Cut 1/4-20 x 5/8
159	72140614	Bolt Rdhd Sqn 3/8-16 UNC x 1-3/4
- -	130794	Mandrel Assembly (Includes Key Numbers 8-10,13-15, 31 and 33)
- -	171639	Mower Deck, Complete

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

LIMITED WARRANTY

The Manufacturer warrants to the original consumer purchaser that this product as manufactured is free from defects in materials and workmanship. For a period of one (1) year from date of purchase by the original consumer purchaser, we will repair or replace, at our option, without charge for parts or labor incurred in replacing parts, any part which we find to be defective due to materials or workmanship. This Warranty is subject to the following limitations and exclusions.

1. This warranty does not apply to the engine. Please contact your nearest dealer where they will send the machine to the engine manufacturer.
2. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by your dealer.
3. Battery Warranty: On products equipped with a Battery, we will replace, without charge to you, any battery which we find to be defective in manufacture, during the first ninety (90) days of ownership. After ninety (90) days, we will exchange the Battery, charging you 1/12 of the price of a new Battery for each full month from the date of the original sale. Battery must be maintained in accordance with the instructions furnished.
4. The Warranty period for any products used for rental or commercial purposes is limited to 90 days from the date of original purchase.
5. This Warranty applies only to products which have been properly assembled, adjusted, operated, and maintained in accordance with the instructions furnished. This Warranty does not apply to any product which has been subjected to alteration, misuse, abuse, improper assembly or installation, delivery damage, or to normal wear of the product.
6. Exclusions: Excluded from this Warranty are belts, blades, blade adapters, normal wear, normal adjustments, standard hardware and normal maintenance.
7. In case of any problem within the boundaries of this warranty, contact the nearest department store, indicate the model number, serial number and the date of purchase of your machine. This warranty does not apply to accidental damages. All implicit warranties are limited to the same time frames. Or contact:

E.M. Services
54 Rue Lambrechts
92400 Courbevoie
France
Telephone: (1) 46678078
Fax: (1) 46678095

THIS WARRANTY DOES NOT APPLY TO INCIDENTAL OR CONSEQUENTIAL DAMAGES. ANY IMPLIED WARRANTIES ARE LIMITED TO THE SAME TIME PERIODS STATED HEREIN.