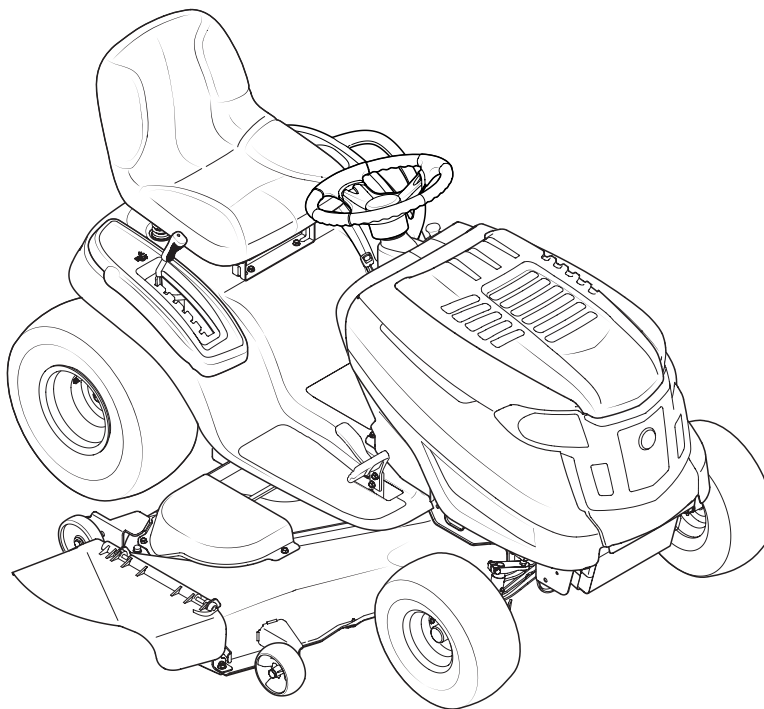




ILLUSTRATED PARTS MANUAL



50" Hydrostatic Lawn Tractor, 900 Series

TROY-BILT LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

To The Owner

Thank You

Thank you for purchasing an MTD Lawn Tractor. It was carefully engineered to provide excellent performance when properly operated and maintained.

All information in this manual is relative to the most recent product information available at the time of printing. Please be aware that this Illustrated Part's Manual may cover a range of product specifications for various models.

Components listed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

Throughout this manual, all references to *right* (RH) and *left* (LH) are observed from the operating position.

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Record Product Information

To ease in ordering replacement parts, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking beneath the seat.

MODEL NUMBER

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SERIAL NUMBER

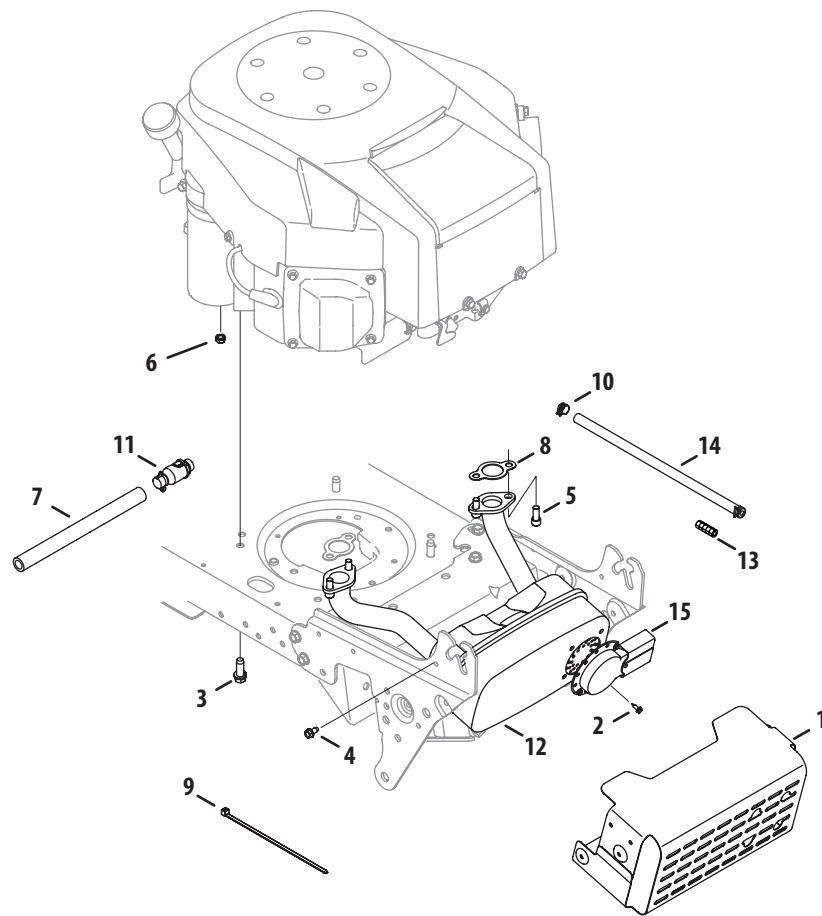
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Painted Parts

When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXX-0637). Please refer to the table below for current color codes:

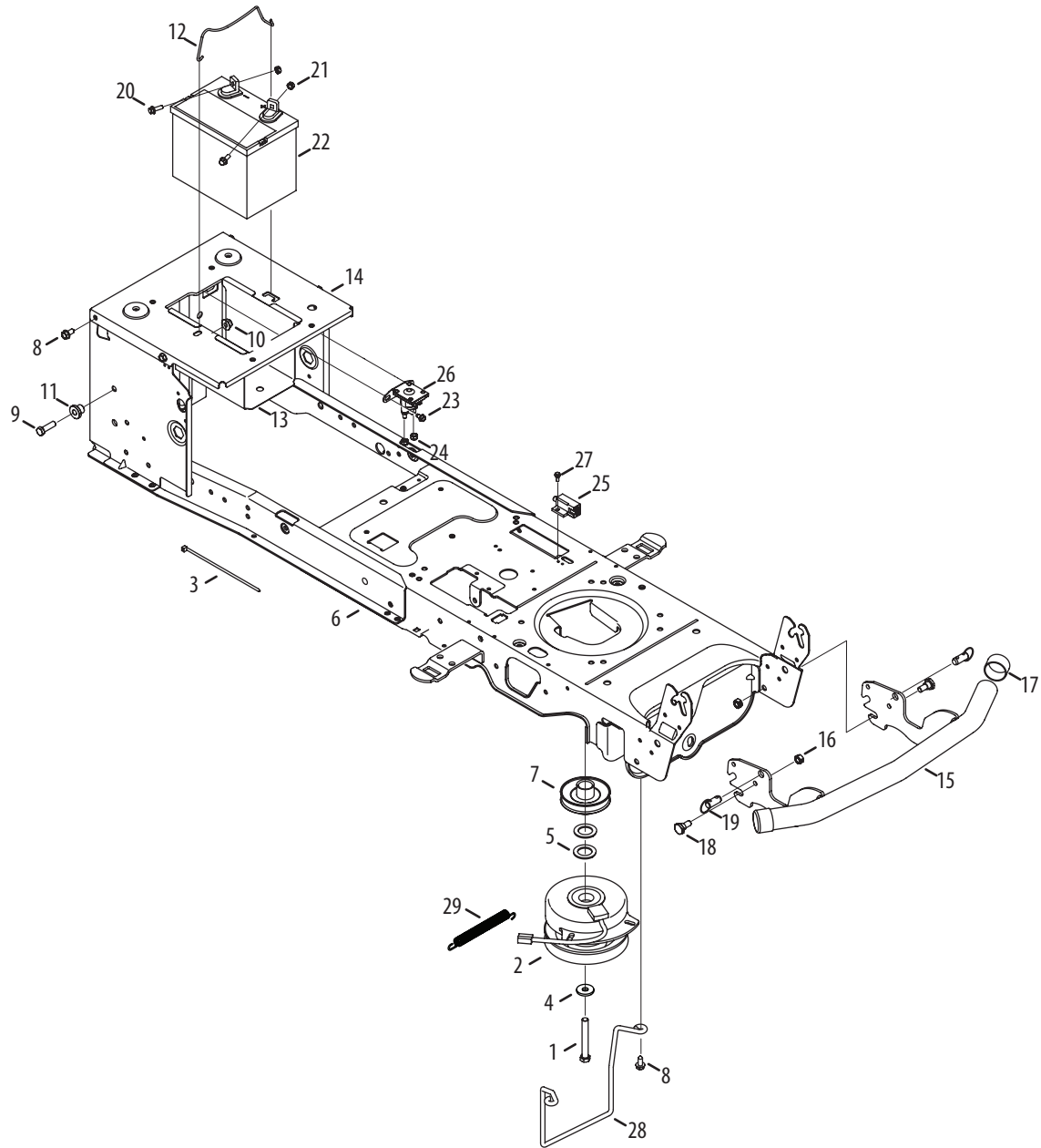
0637	Black
0709	Dark Green (Bolens, Yard-Man)
0662	Oyster Gray (MTD Gold)
0638	Red (Yard Machines, Huskee, Troy-Bilt, MTD)
0691	Black Jack (MTD Gold, MasterCut)

0674	Yellow (Yard-Man)
0650	Metallic Red (White Outdoor)
0629	Silver Flake (MTD Platinum)
04038	Day Orange (Daedong)
04033	Flint Mica (Troy-Bilt XP)



Ref.	Part Number	Description
1	683-04549	Shield Ass'y, Muffler
2	710-0227	Screw, Ab, #8-18, 0.500,
3	710-04683A	Screw, Self-tapping, 3/8-16, 1.000,
4	710-0599	Screw, Self-tapping, 1/4-20, 0.500,
5	710-1314A	Screw, Socket Head, 5/16-18, .750
6	712-0271	Nut, Sems, 1/4-20
7	751-3141-14	Hose, Extension, Oil Drain
8	721-0460	Gasket, Exhaust, Briggs
—	KH-24-041-49-S	Gasket, Exhaust, Kohler
9	725-0157	Cable, Tie, 3/16 x .05 x 7.4
10	726-0205	Clamp, Hose, .490 Dia.
11	951-10517A	Drain, Oil
12	751-10542A	Muffler, Briggs Twin
—	751-10528A	Muffler, Kohler Twin
13	751-12089-28	Hose, Vent
14	751-10349	Hose, Fuel, Low Permeation, 1/4
15	751-11053A	Deflector, Muffler, Long

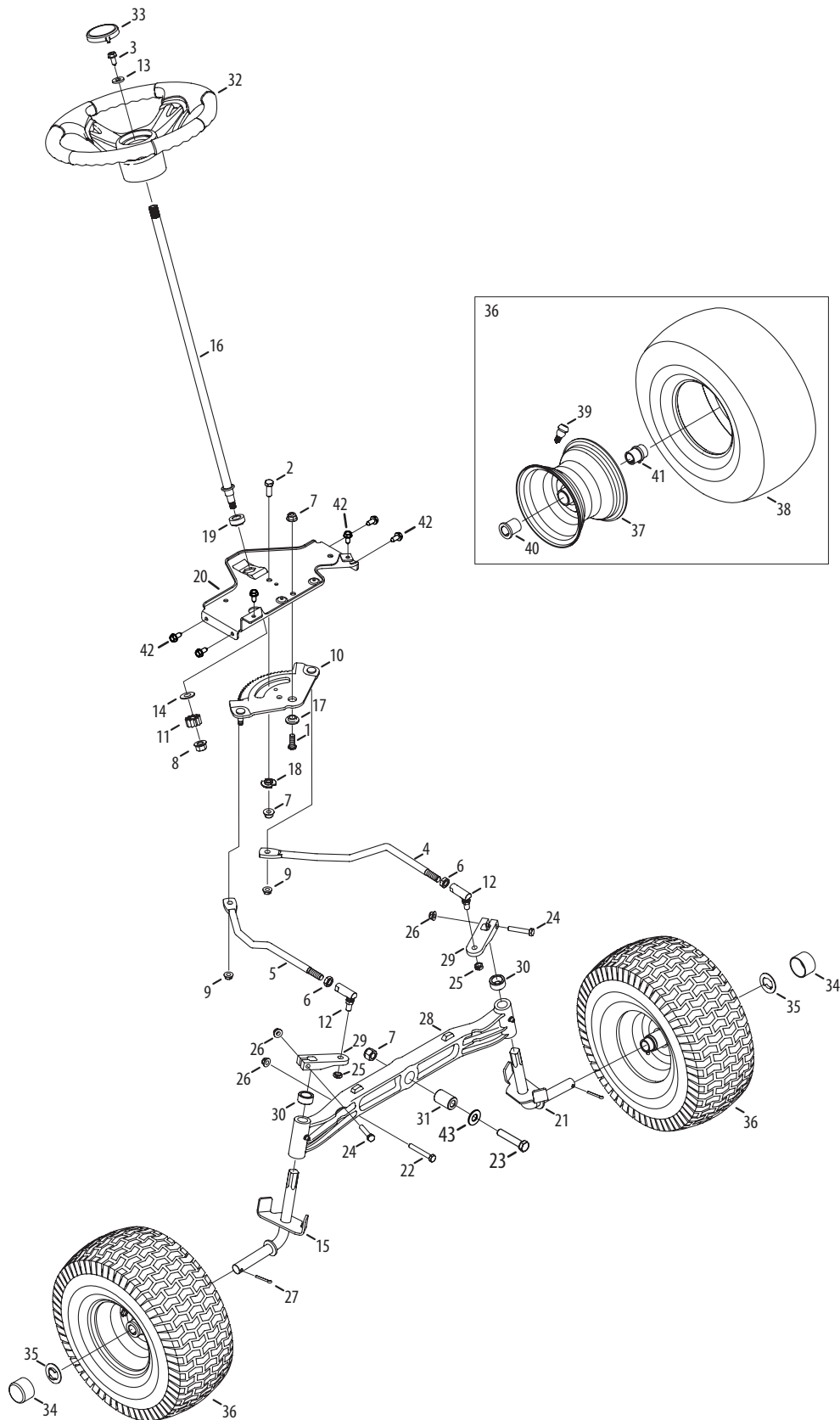
PTO and Battery



Ref.	Part Number	Description
1	710-04379A	Hex Head Screw, 7/16-20:3.50
2	917-05122	Electric PTO Clutch
	725-06019	Clutch Wire Jumper
3	725-0157	Cable Tie, 3/16 x .05 x 7.4
4	736-0322	Washer, Flat, .450 x 1.25 x .164
5	736-0277	Flat Washer, 1.031 x 1.620 x .095
6	683-04469D	Frame
7	756-0978B	Electric PTO Engine Pulley
8	710-04484	Taptite Screw, 5/16-18:.750
9	710-3005	Hex Head Screw, 3/8-16:1.25
10	712-04065	Flangelock Nut, 3/8-16
11	738-04058	Shoulder Spacer, .38 x 1.0 x .70
12	747-04121A	Battery Holder Rod
13	783-0349	Battery Tray
14	783-06089	Seat Frame Bracket
15	683-04219B†	Bumper
16	712-0130†	Hex Lock Nut, 3/8-16
17	731-08049†	Bumper Cap
18	738-0143†	Shoulder Bolt, .496 x .336
19	714-04061†	Quick Release Pin
20	710-04666	Hex Head Flange, 1/4-20:.75
21	712-0271	Sems Nut, 1/4-20
22	925-1707D	Battery
23	710-0653	Taptite Screw, 1/4-20:0.375
24	712-04064	Flangelock Nut, 1/4-20
25	725-04363	Interlock Switch
26	725-06153	Solenoid, 12V
27	738-04237A	Shoulder Screw, #10-32:.500
28	747-05195	Belt Keeper Rod
29	732-0814	Spr, Extn, .56 Dia X 5.52
—	925-04104	Wire harness, Main

† If Equipped

Steering and Axle

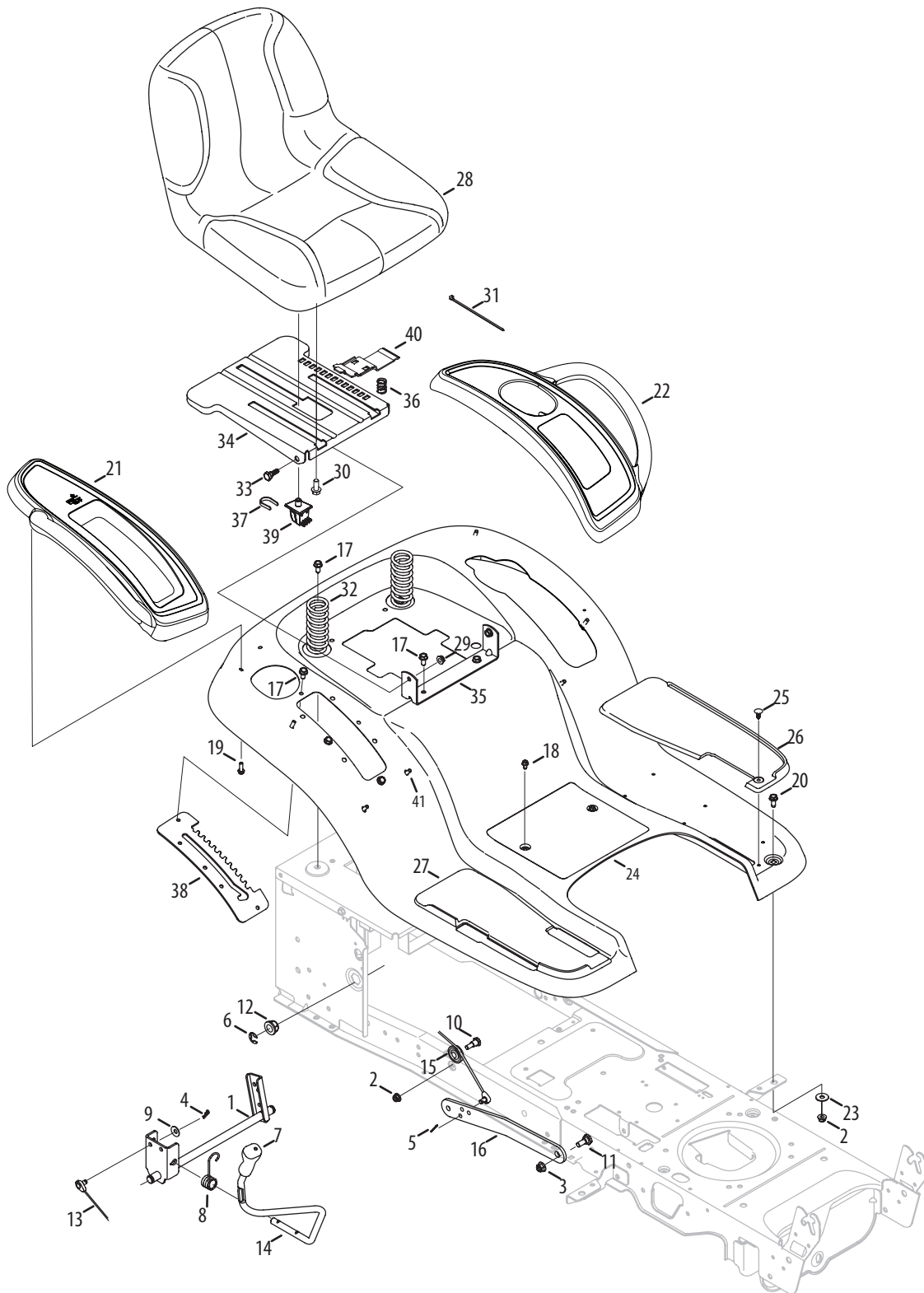


Steering and Axle

Ref.	Part Number	Description
1	710-04095	Hex Head Screw, 3/8-16:1.00
2	710-0514	Hex Head Screw, 3/8-16:1.00
3	710-0643	Hex Head Screw, 5/16-18:1.00
4	711-04998	LH Drag Link
5	711-04999	RH Drag Link
6	912-0240	Jam Nut, 7/16-20
7	712-04065	Flangelock Nut, 3/8-16
8	712-0459	Flangelock Nut, 7/16-20
9	712-3004A	Flangelock Nut, 5/16-18
10	717-1550F	Steering Gear
11	717-1554	Steering Pinion Gear
12	923-0448A	Ball Joint, 7/16-20
13	936-3004	Flat Washer, .406 x .875 x .105
14	736-3084	Flat Washer, .51 x 1.12 x .06:HT
15	638-04036P	RH Axle Assembly
16	738-04263	Steering Shaft, .625 OD x 24.25 LG
17	738-04363	Shoulder Spacer, .385X 1.25 x .3025
18	738-04364B	Spacer, .38 x 1.375
19	741-04237B	Hex Flange Bearing 5/8 PM
20	783-06043	Steering Support Bracket
21	638-04037P	LH Axle Assembly
22	710-0395	Hex Head Screw, 5/16-18:2.25

Ref.	Part Number	Description
23	710-0859	Hex Head Screw, 3/8-16:2.50
24	710-3180	Hex Head Screw, 5/16-18:1.75
25	912-0214	Hexlock Nut, 3/8-24
26	712-04063	Flangelock Nut, 5/16-18
27	714-0162	Cotter Pin, 5/32:1.25
28	719-04413A	Pivot Bar Axle
29	748-04278	Steering Block
30	748-04068	Spacer, .71 ID x .125 OD x .56LG
31	750-05280	Spacer, .385 x 1.00 x 1.5075
32	631-04008A	Steering Wheel, Soft Grip
33	731-04681	Cap, Troy-Bilt
34	731-08049	Bumper Cap
35	736-04228A	Flat Washer, .781ID x 1.590OD
36	634-04466-0911	Wheel Assembly
37	934-04082-0662	Rim Assembly
38	734-1727	Tire
39	934-0255	Tubeless Air Valve
40	741-0516B	Flange Bearing, .760 x 1.00 x 1.20LG
41	741-0990B	Flange Bearing, .760ID
42	710-04484	Screw, Self-tapping, 5/16-18, .750,
43	936-0300	Washer, Flat, .406 x .875 x .059

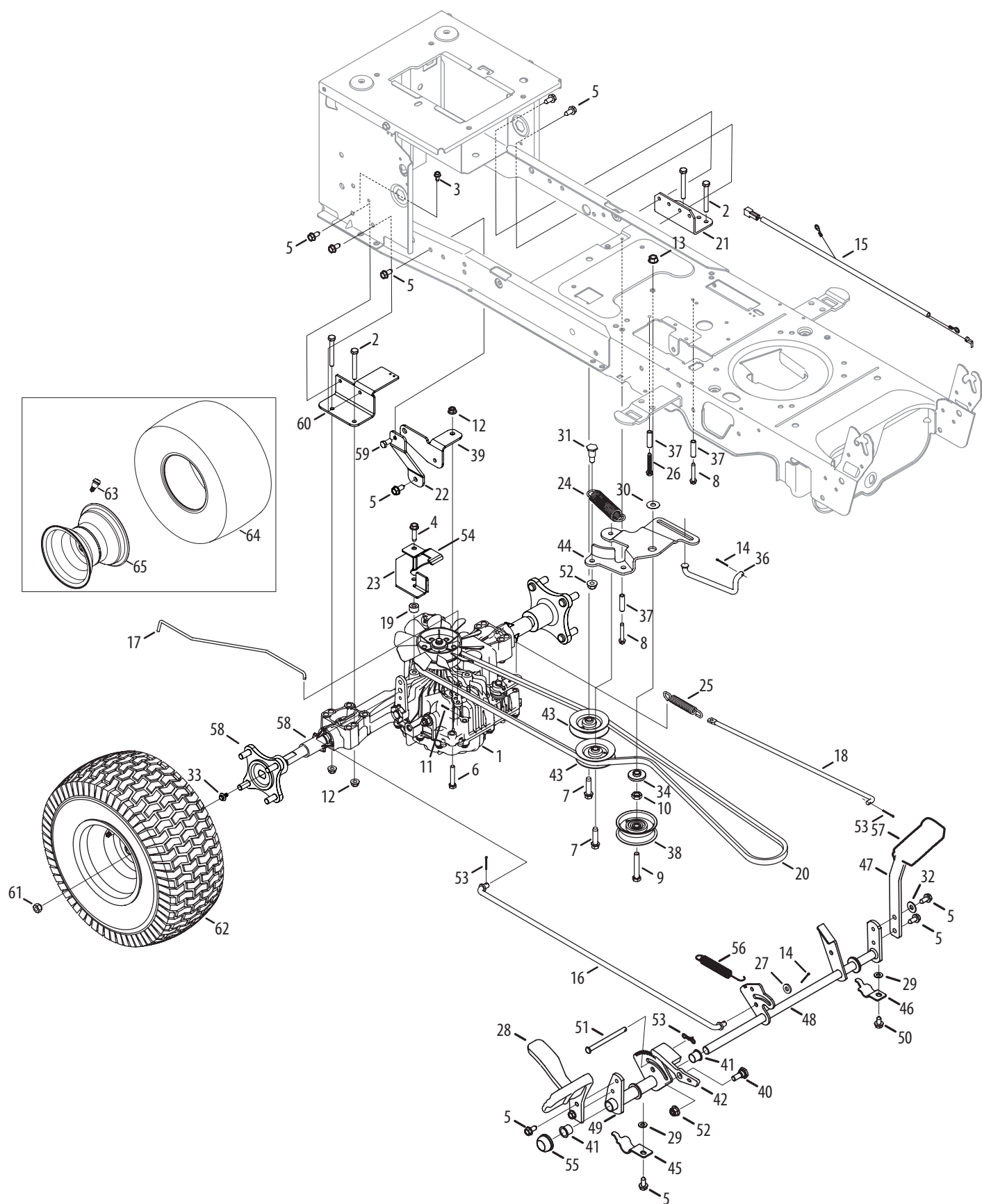
Seat and Fender



Ref.	Part Number	Description
1	683-04223	Lift Shaft Assembly
2	712-04063	Flangelock Nut, 5/16-18
3	712-04065	Flangelock Nut, 3/8-16
4	914-0104	Cotter Pin, .072 DIA. x 1.13 LG
5	714-04040	Bow-Tie Cotter Pin
6	716-0106A	E-Ring, .625 DIA. SHAFT
7	720-0311	Handle Grip
8	732-0874	Torsion Spring
9	736-0105	Spring Washer, .401 x .870 x .063
10	738-0138A	Shoulder Screw, .437 x .470:5/16-18
11	938-0380	Shoulder Bolt, .500 x .270:3/8-16
12	941-0225	Hex Flange Bearing
13	946-04436	Lift Cable, 16.64 LG
14	747-04962A	Lift Handle
15	756-04331	Pulley Roller Cable
16	783-05546A	Lift Arm
17	710-04484	Taptite Screw, Lock Washer, 5/16-18
18	710-0599	Taptite Screw, Lock Washer, 1/4-20
19	710-0895	Hi-Lo Screw, Lock Washer, 1/4-15
20	710-1260A	Taptite Screw, 5/16-18:.750
21	731-06754	Fender Cover RH

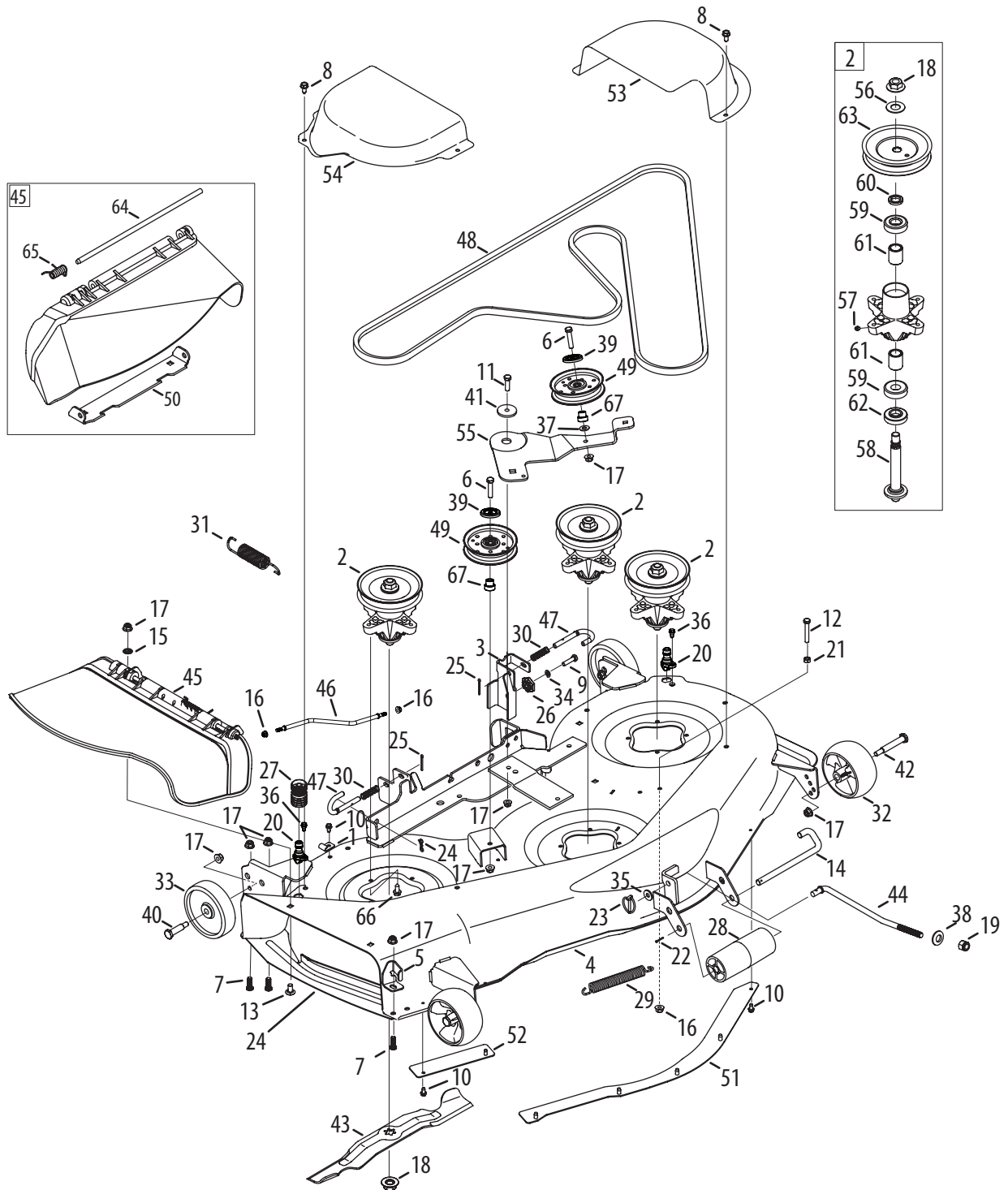
Ref.	Part Number	Description
22	731-05837	LH Fender Cover
23	736-3078	Flat Washer, .344 x 1.00 x .063 HDN
24	783-06235	Fender
25	726-3046	Ratchet Clip
26	735-04138	LH Foot Pad
27	735-04158	RH Foot Pad
28	757-04086	Seat
29	712-3004A	Flangelock Nut, 5/16-18
30	710-04482	Hex Head Flange, 3/8-16:.875
31	725-0157	Cable Tie, 3/16 x .05 x 7.4
32	732-04849	Compression Spring, 1.50 x 3.90 x .200
33	938-0296	Shoulder Screw, .437 x .268:5/16-18
34	783-06049	Seat Mounting Bracket
35	783-06088A	Seat Pivot Bracket
36	732-04563	Comp. Spring, .68 x 1.065 x .055
37	783-06448	Switch Retainer Clip
38	783-06548	Lift Bracket
39	925-05013	Seat Switch
40	783-06050	Seat Adjustment Lever
41	710-04187	Screw, 1/4-15 x 0.50

Drive and Rear Wheels



Ref.	Part Number	Description	Ref.	Part Number	Description
1	618-05100	Transmission, Tuff Torq K46	34	738-04420	Spacer, Shoulder, 1.375 x .380 x .183
2	710-0378	Hex Screw, 5/16-18, 2.50, Gr5, Std	35	918-04228	Wheel Hub Assembly
3	710-0599	Screw, Self-tapping, 1/4-20, 0.500	36	747-04957A	Rod, Transmission, Bypass
4	710-0817	Screw, Self-tapping, 5/16-18, 1.250	37	750-04456	Spacer, .260 x .372 x 1.420
5	710-04484	Screw, Self-tapping, 5/16-18, .750	38	756-04224	Pulley, Idler, Flat 2.75 OD
6	710-3180	Hex Screw, 5/16-18, 1.75, Gr5	39	783-07350	Bracket, Support
7	710-1007	Screw, Self-tapping, 3/8-16, 1.500	40	938-0380	Bolt, Shoulder, .500 x .270, 3/8-16
8	710-1325	Screw, Self-tapping, 1/4-20, 1.625	41	741-0495	Bearing, Flange, .630 x .695 x .60
9	710-3011	Hex Screw, 3/8-16, 2.25, Gr5	42	748-04203	Latch, Cruise
10	912-0240	Nut, Jam, 7/16-20, Gr2	43	756-04325	Pulley, Idler, V-Type x 3.06
11	914-0111	Pin, Cotter, 3/32, 1.0	44	783-06027B	Bracket, Idler, Center Double
12	712-04063	Nut, Flange Lock, 5/16-18, Nylon	45	783-05914	Bracket, Support, Pedal Strap
13	912-0431	Nut, Flange Lock, 3/8-16	46	783-05940	Bracket, Support, Pedal Strap 5/8
14	714-3010	Pin, Cotter, 3/32, .625	47	783-06103A	Bracket, Pedal, Brake
15	725-05335	Jumper Harness, Ground & Reverse	48	647-04152D	Control Assembly, Brake
16	747-05447	Rod, Control, Tuff-Torq	49	683-04537	Bracket Assembly, Pedal, Hydro
17	747-05448	Rod, Hydro Bypass	50	710-0604A	Screw, Self-tapping, 5/16-18, 0.625,
18	747-05452	Rod, Brake, NX9 Tuff-Torq	51	711-05068A	Pin, Clevis, 5/16 x 3.985
19	750-05512	Spacer, .330 x .715 x .430	52	712-04065	Nut, Flange Lock, 3/8-16, Nylon
20	954-04297	Belt, V-Type	53	714-04040	Pin, Cotter, Bow-Tie 72
21	783-06849	Bracket, Mount, Tuff-Torq	54	783-07347	Bracket, Belt
22	783-07349	Bracket, NX9 Tuff Torq	55	726-0214	Cap, Push 5/8
23	783-07260	Bracket, Belt Keeper	56	732-04587	Spring, Extension, .63 Dia x 4.95
24	732-04792	Spring, Extension, 1.00 Dia x 4.75	57	735-04136	Pad, Pedal, Brake
25	732-0716D	Spring, Extension, .59 Od x 4.00	58	731-08237	Sleeve, .765 Id x 2.11
26	710-1026	Screw, Self-tapping, 1/4-20 x 1.75	59	710-0216	Hex Cap Screw, 3/8-16 x .75
27	936-0185	Washer, Flat, .375 x .738 x .063	60	783-07295	Bracket, Mount
28	719-0584B	Control Pedal	61	712-3050	Lug Nut
29	936-0275	Washer, Flat, .344 x .688 x .065	62	634-04210-0911	Wheel Assembly
30	936-0344	Wash, Flat, .385 x 1.00 x .030	63	934-0255	Tubeless Air Valve
31	738-0430	Scr, Shldr, .50 x .685 3/8-16	64	734-04174	Tire
32	736-0242	Washer, Bell, .340 x .872 x .060	65	634-04238-0662	Rim Assembly
33	710-05339	Screw, 5/16-24 x .750			

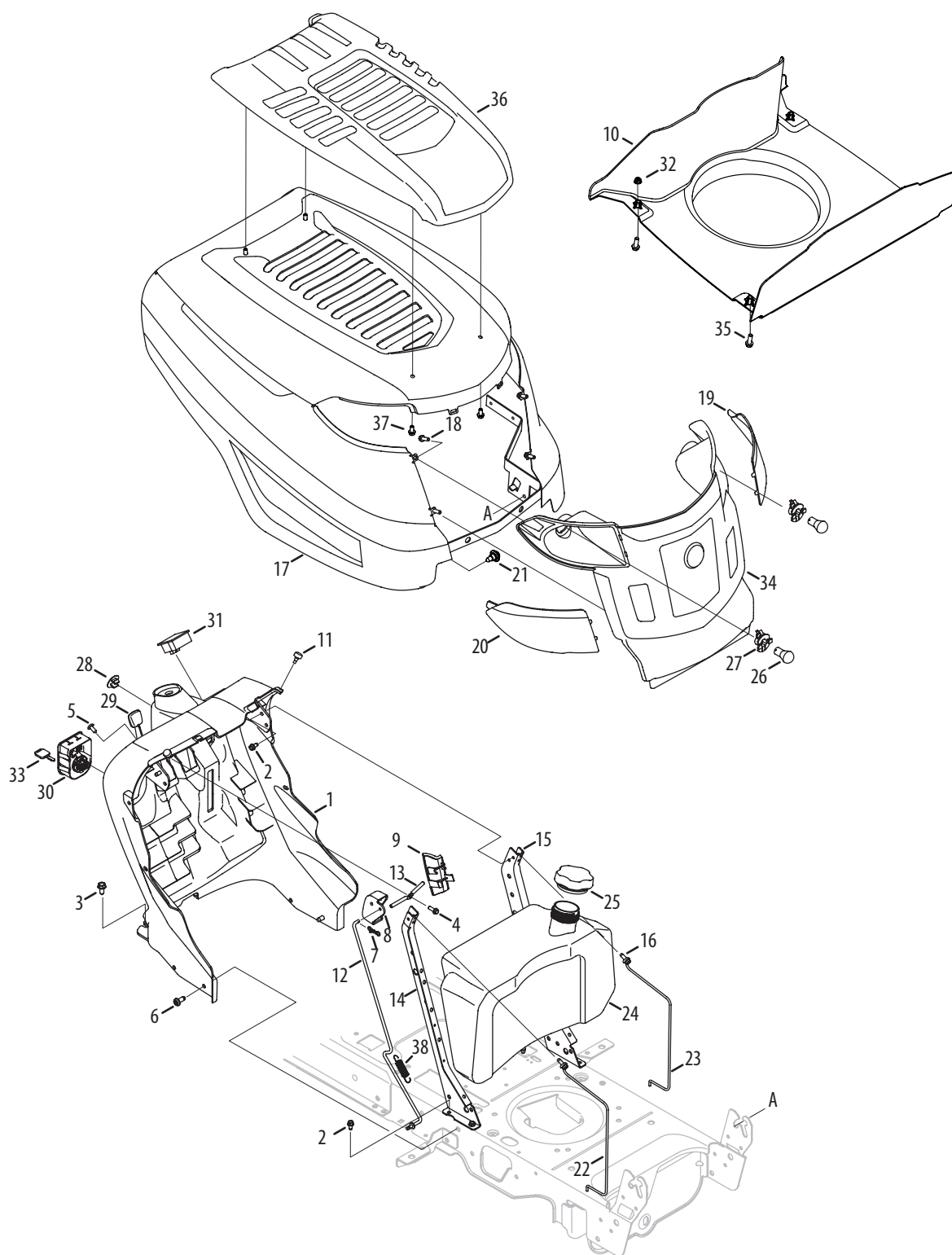
50" Deck



Ref.	Part Number	Description
1	96606	Hook Retainer Bracket
2	918-04125B	Pulley Spindle Assembly, 5.39
3	683-0254B	Deck Hanger Bracket Assembly
4	983-04645A	Deck Assembly
5	703-3279	Chute Deflector Stop
6	710-0347	Hex Screw, 3/8-16:1.75
7	710-04095	Hex Screw, 3/8-16:1.00
8	710-04484	Taptite Screw, 5/16-18:.750
9	710-0528	Hex Screw, 5/16-18:1.25
10	710-0599	Taptite Screw, 1/4-20:0.500
11	710-3005	Hex Screw, 3/8-16:1.25
12	710-3103	Hex Screw, 5/16-18:2.0
13	710-3178	Carriage Bolt, 3/8-16:0.75
14	911-3314	Roller Pin, 1/2 DIA x 7.31 LG
15	712-0229	Push Nut, 3/8
16	712-04063	Flangelock Nut, 5/16-18
17	712-04065	Flangelock Nut, 3/8-16
18	712-0417A	Flange Nut, 5/8-18
19	712-04243	Flexlock Nut, 1/2-13
20	731-07487	Deck Wash Nozzle
21	912-3010	Hex Nut, 5/16-18:GR5
22	914-0111	Cotter Pin, 3/32:1.0
23	753-04070	Lynch Pin, .1875
24	703-3511B	Finger Guard
25	914-0470	Cotter Pin, 1/8 x 1.25
26	917-04074	Deck Adjustment Gear
27	921-04041	Water Nozzle Adaptor
28	731-05679	Front Roller
29	732-0459C	Extension Spring, .94 DIA. x 6.74 LG
30	732-04652	Compression Spring, .535 OD x 1.751 LG
31	732-0934	Extension Spring, 1.15 OD x 5.99 LG
32	734-04155	Front Deck Wheel
33	734-0973	Rear Deck Wheel
34	936-0119	Lock Washer, 5/16

Ref.	Part Number	Description
35	936-0179	Flat Washer, .531 x 1.25 x .100
36	738-04278	Shoulder Screw, 1/4-20 x 0.50
37	936-0300	Flat Washer, .406 x .875 x .059
38	736-0317	Bell Washer, .63 x 1.25 x .18
39	783-08389	Pulley Cap
40	938-0373	Shoulder Bolt, .496 x 1.525:3/8-16
41	738-04162C	Shoulder Spacer, .8840 x .190
42	938-3056	Shoulder Bolt, .496 x 2.50:3/8-16
43	942-04053C	Blade
44	747-05067A	Front Deck Lift Rod
45	631-04070A	Chute Assembly
46	747-05462	Deck Sway Rod
47	747-1116	Deck Release Handle Rod
48	954-04077	V Belt
49	756-05042	Pulley, Idler, 4.25"Dia
50	783-05030	Chute Bracket
51	783-04414A	Center Skirt
52	783-04415	RH Skirt
53	783-05280	LH Belt Cover
54	783-05281	RH Belt Cover
55	783-05030	Idler Bracket
56	736-0315	Flat Washer, .760 x 1.50 x .120
57	937-3000	Lube Fitting
58	738-1010A	Spindle Shaft
59	941-0919A	Ball Bearing, .787ID x 1.85
60	748-0160A	Spacer, .790 ID x 1.25 OD x .175
61	750-1000	Spacer, .80 x 1.10 x 1.322
62	750-1349A	Spacer, .79 x 1.82 x .55
63	756-04216	Deck Pulley
64	711-04565	Hinge Pin
65	732-04372	Torsion Spring
66	710-1260A	Self Tapping Screw, 5/16-18 x .75
67	748-05029	Shoulder Spacer

Hood and Dash, K Style

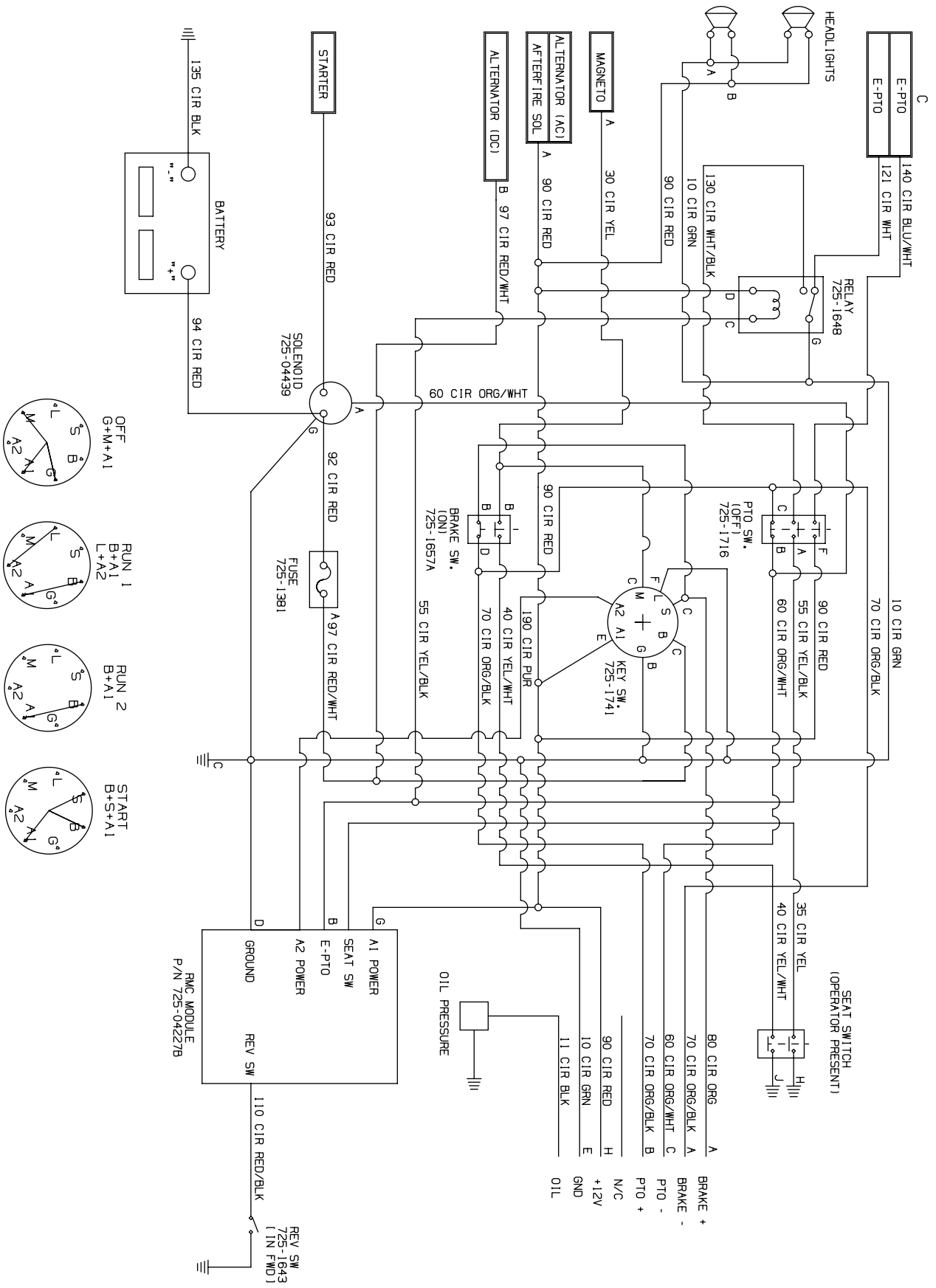


Hood and Dash, K Style

Ref.	Part Number	Description
1	931-04664	Dash Assenbly
2	710-0599	Taptite Screw ,1/4-20:0.500
3	710-04484	Taptite Screw ,5/16-18:.750
4	710-0895	Hi-Lo Screw, 1/4-15:0.750
5	710-1017	Screw, 1/4-14:0.625
6	710-1611B	Taptite Screw ,5/16-18:0.750
7	714-04040	Bow Tie Cotter Pin
8	731-06639	Dash Lever
9	731-06642	Cruise Cover
10	931-06212	Plenum
11	735-0271A	Bumper
12	747-05008	Control Rod
13	747-1196	Lever
14	783-04285F	RH Support Plate
15	783-04323F	LH Support Plate
16	710-1652	Tap Screw, 1/4-20, 0.625
17	683-04774	Hood Assembly
18	710-05108	Screw, 1/4 DIA:.750
19	731-06095	LH Lens

Ref.	Part Number	Description
20	731-06096	RH Lens
21	738-04091A	Shoulder Screw, .43 x .29
22	747-04161	LH Tank Support Rod
23	747-04946	RH Tank Support Rod
24	951-04309	Fuel Tank
25	951-12182	Fuel Cap
26	925-0963	Lamp
27	925-1649	Lamp Socket
28	731-1999	Choke Plug
29	946-04542	Throttle/Choke Cable, 46.5"
30	725-06102A	Module Switch, Ignition
31	925-06154	Hour Meter
32	712-04064	Flangelock Nut, 1/4-20
33	625-05002	Key, Assembly
34	631-04272	Grill
35	710-0751	Hex Screw, 1/4-20:.620
36	731-06194B	Hood Scoop
37	710-04187	Hex Washer Screw, 1/4-15 x .50
38	732-04580	Spring, .500 Dia. x 2.733

Electrical Schematic



This image shows a full page of white paper with horizontal grey ruling lines. The word "Notes" is written in a large, bold, black font at the top left corner. A vertical grey line runs down from the top of the page, separating the title area from the main body of the notes. There are 20 horizontal ruling lines in total, providing space for writing.

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To order replacement parts or locate your nearest service dealer call Customer Support at (800) 828-5500.
or visit www.troybilt.com to find the nearest authorized dealer in your area.

TROY-BILT LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019
