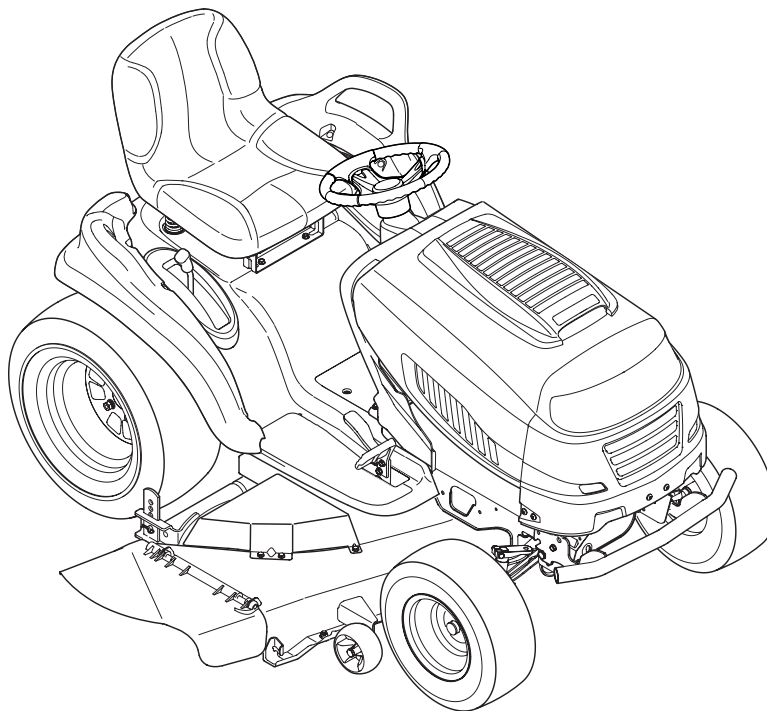




ILLUSTRATED PARTS MANUAL



54" Hydrostatic Garden Tractor, 900 Series

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

To The Owner

Thank you for purchasing an MTD Garden 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.

Table of Contents

Axle, Front	6	Meter, Systems Indicator	14
Battery	4	Mower Deck, 54-inch	12
Choke Control	14	Muffler	16
Dash Panel	14	Pedal Controls	10
Deck Lift Handle/Linkage	8	PTO Pulley	4
Drive System	10	PTO Switch	14
Electrical Schematic	17	Seat	8
Engine Accessories, B&S Twin	16	Solenoid	4
Fender	8	Steering Wheel	6
Frame	4	Switches, Interlock	4
Fuel Tank	14	Throttle Control	14
Head Lamps	14	Wheels, Front	6
Hood	14	Wheels, Rear	10

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

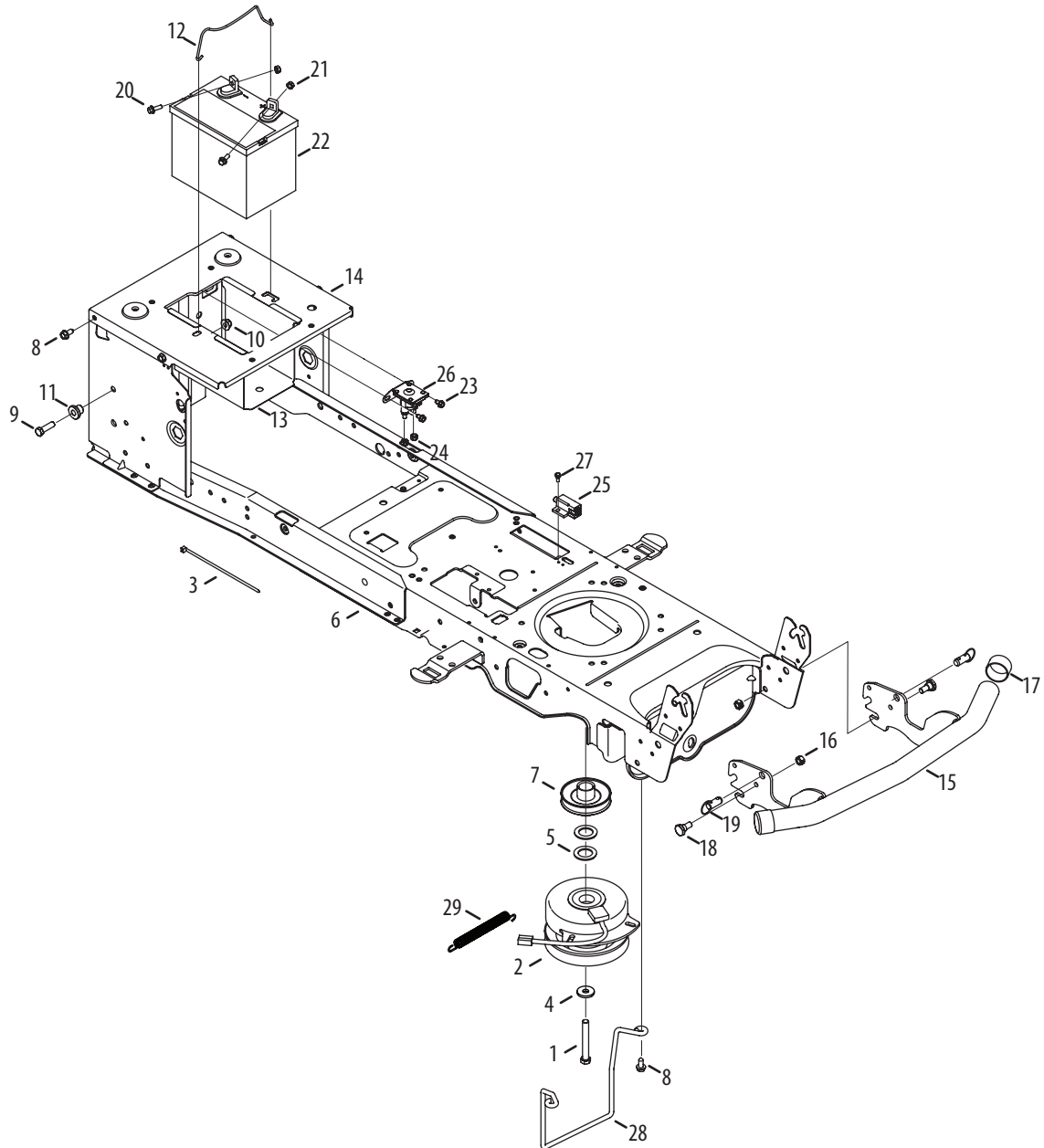
When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXX-0637). Please refer to the table below for current color codes:

0637	Black
0709	Dark Green (Bolens, Mastercraft, Yard-Man Domestic)
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)
0665	Dark Green (Yard-Man Export)
0629	Silver Flake (MTD Platinum)
04038	Day Orange (Daedong)
04015	Fire Red (Massey Ferguson)
04033	Flint Mica (Troy-Bilt XP)

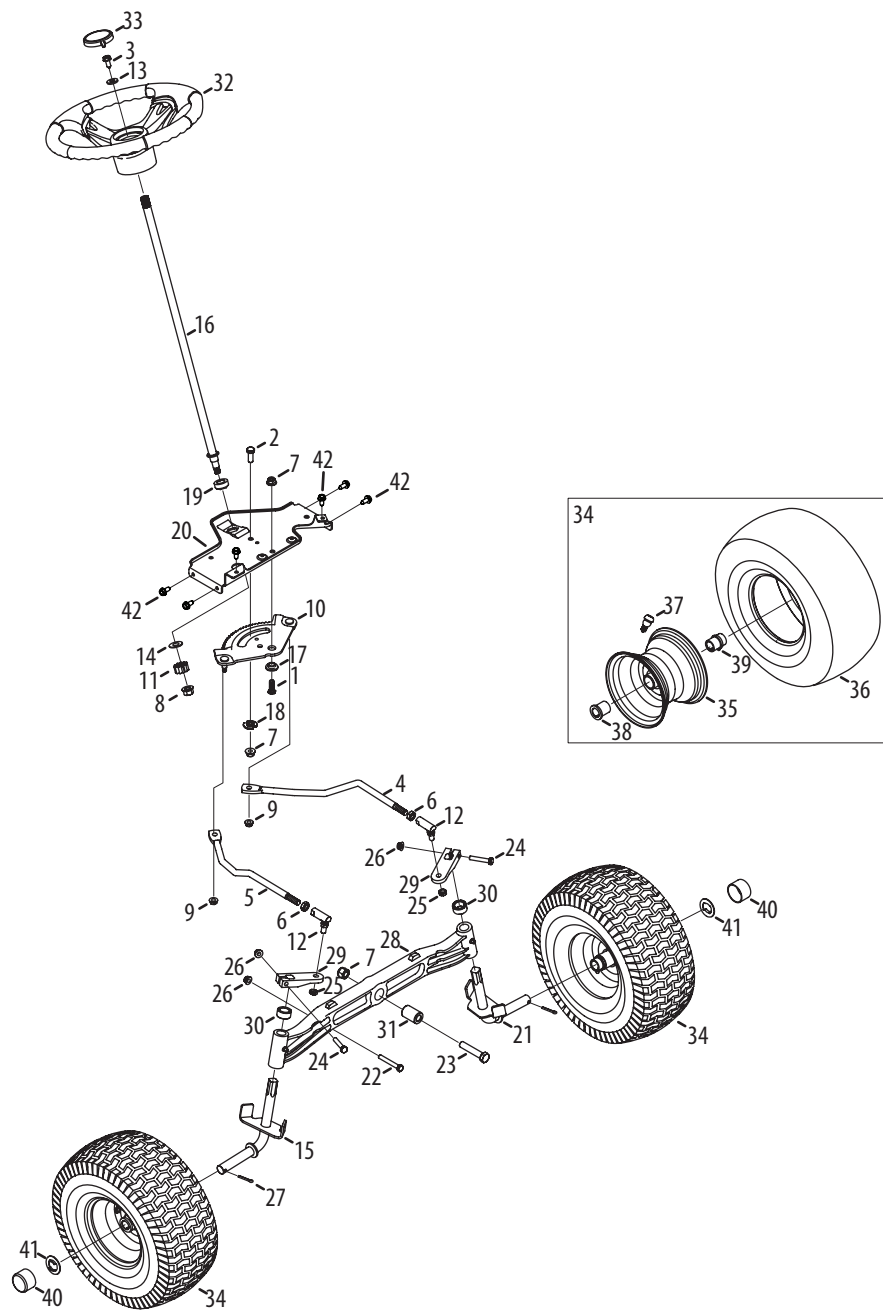
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PTO and Battery



Ref.	Part Number	Description
1	710-04379A	Hex Head Screw, 7/16-20:3.50
2	917-05123	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	683-04469C	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	731-05674	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	725-04439	Solenoid, 12 V
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

Steering and Axle

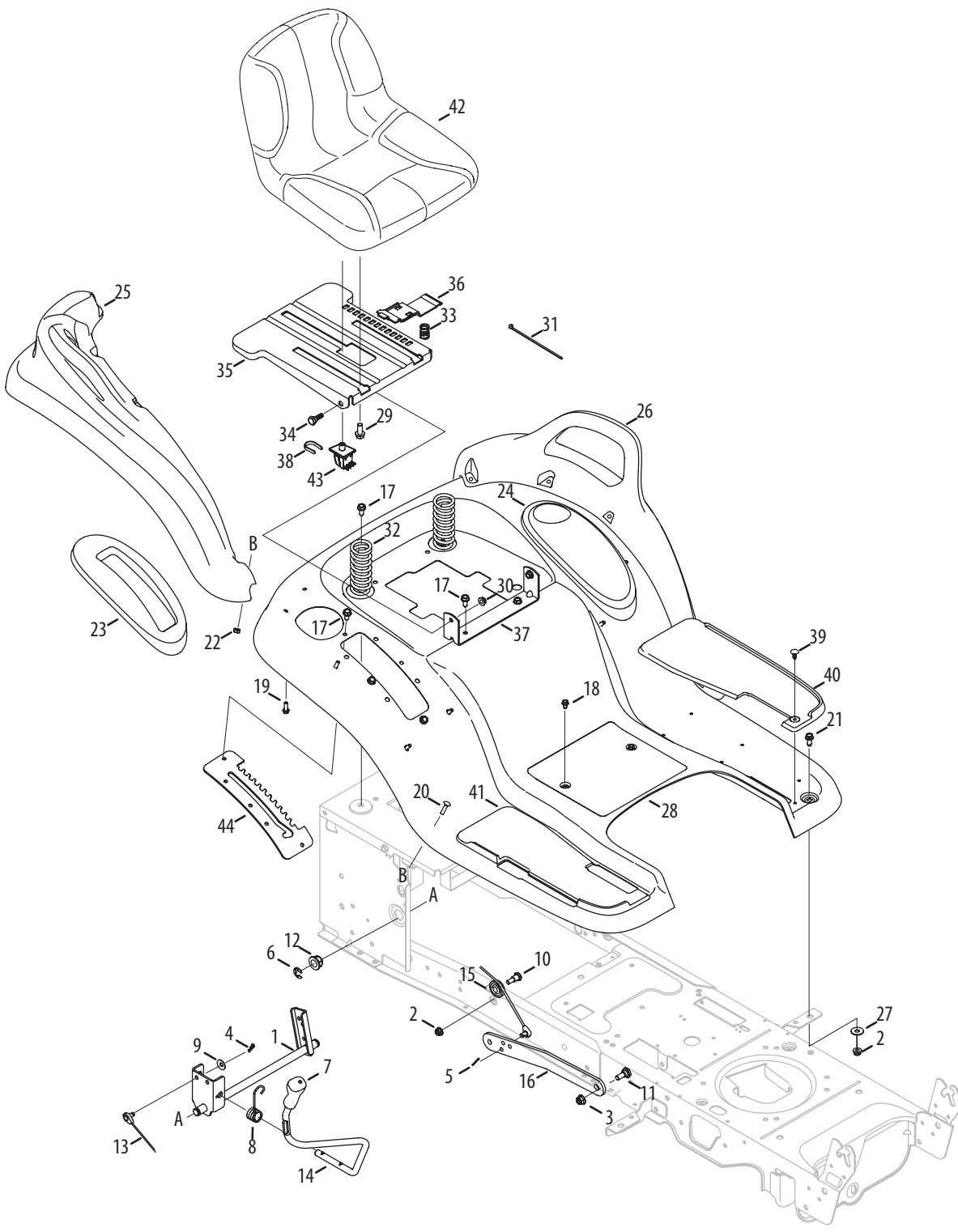


Steering and Axle

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
15	938-04040	RH Axle Assembly
16	738-04263	Steering Shaft, .625 OD x 24.25 LG
17	738-04363	Shoulder Spacer, .385 x 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	938-04041	LH Axle Assembly

Ref.	Part Number	Description
22	710-0395	Hex Head Screw, 5/16-18:2.25
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	634-04466	Wheel Assembly
35	934-04082	Rim Assembly
36	734-1727	Tire
37	934-0255	Tubeless Air Valve
38	741-0516B	Flange Bearing, .760 x 1.00 x 1.20LG
39	741-0990B	Flange Bearing, .760ID
40	731-08049	Bumper Cap
41	736-04228A	Flat Washer, .781ID x 1.590OD
42	710-04484	Screw, Self-tapping, 5/16-18, .750,

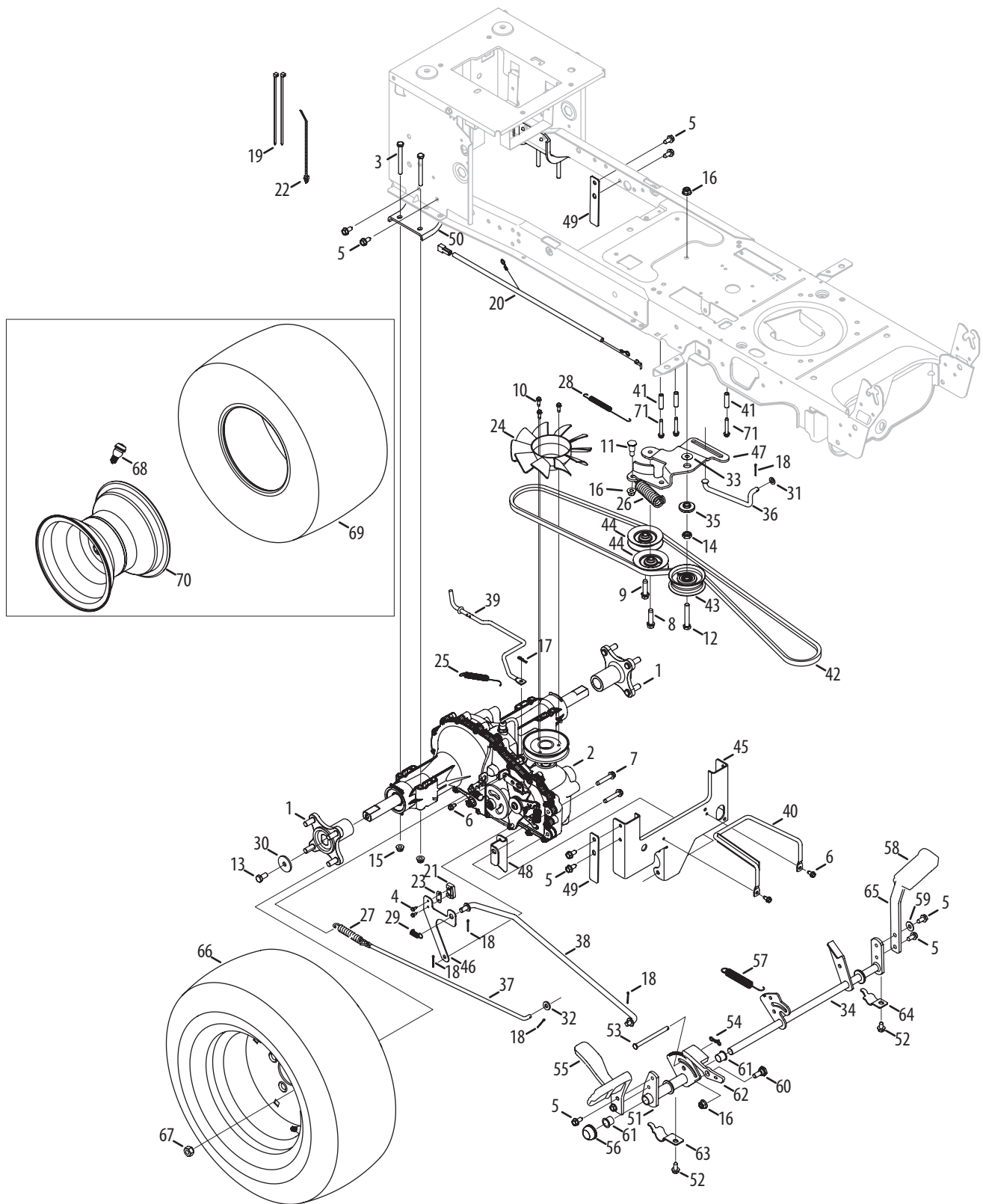
Seat and Fender



Ref.	Part Number	Description
1	683-04301	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	746-0968	Lift Cable, 16.16 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:.750
18	710-0599	Taptite Screw, Lock Washer, 1/4-20
19	710-0895	Hi-Lo Screw, Lock Washer, 1/4-15
20	710-0932A	Carriage Screw, 1/4-20:1.00
21	710-1260A	Taptite Screw, 5/16-18:.750
22	712-0271	Sems Nut, 1/4-20

Ref.	Part Number	Description
23	731-06795	Lift Lever Cover
24	731-1993A	Cover with Cup Holder
25	731-2618	RH Fender Flare
26	731-2619	LH Fender Flare
27	736-3078	Flat Washer, .344 x 1.00 x .063 HDN
28	783-06556	Fender
29	710-04482	Hex Head Flange, 3/8-16:.875
30	712-3004A	Flangelock Nut, 5/16-18
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	732-04563	Compression Spring, .68 x 1.065 x .055
34	938-0296	Shoulder Screw, .437 x .268:5/16-18
35	783-06049	Seat Mounting Bracket
36	783-06050	Seat Adjustment Lever
37	783-06088	Seat Pivot Bracket
38	783-06448	Switch Retainer Clip
39	726-3046	Ratchet Clip
40	735-04138	LH Foot Pad
41	735-04158	RH Foot Pad
42	757-04086	Seat
43	925-05013	Seat Switch
44	783-06548	Lift Bracket

Drive and Rear Wheels

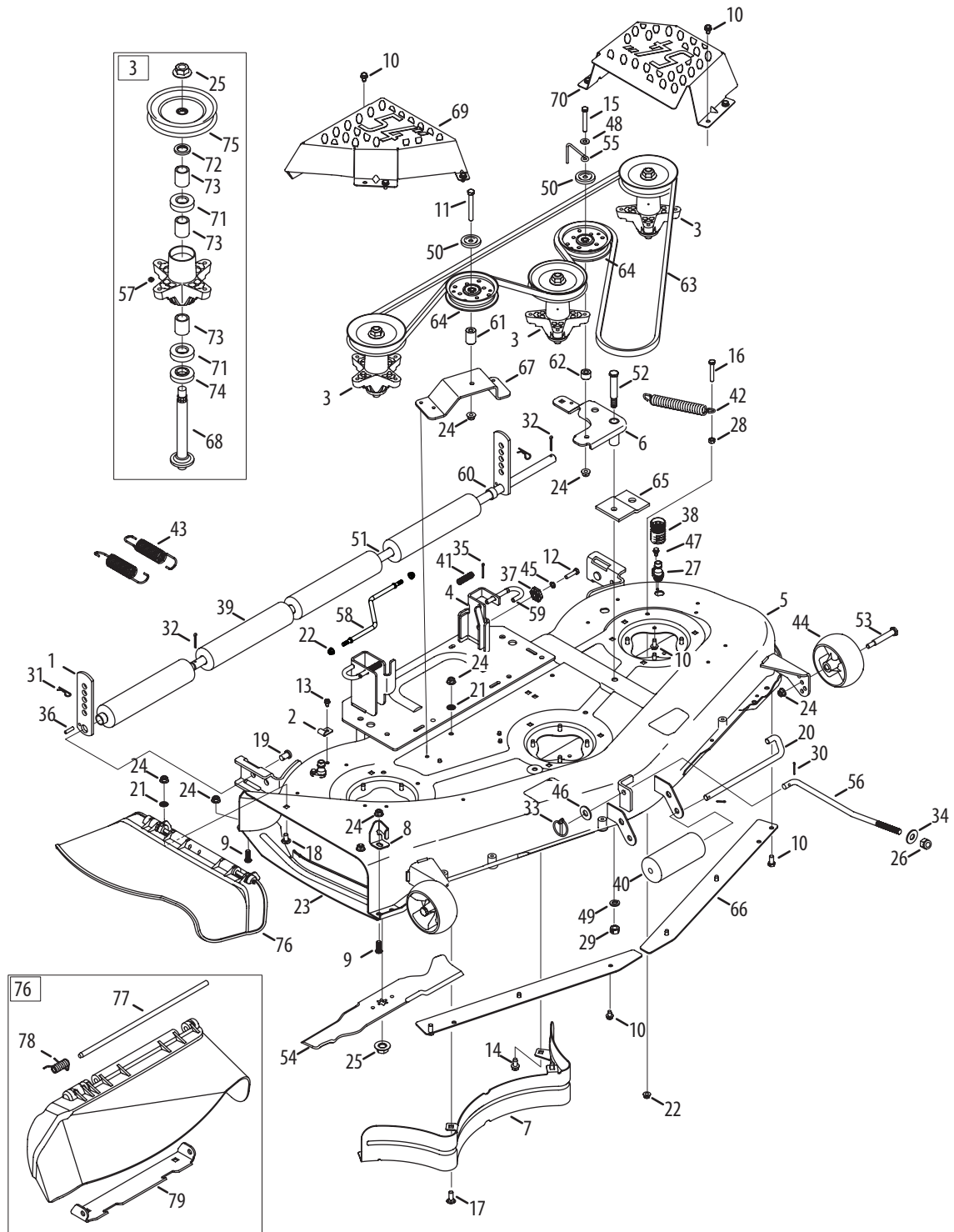


Drive and Rear Wheels

Ref.	Part Number	Description
1	918-04317	Wheel Assembly Hub
2	918-04917	Transmission
3	710-0189	Hex Screw, 5/16-18:3.00
4	710-0227	Screw, #8-18:0.500
5	710-04484	Taptite Screw, 5/16-18:.750
6	710-0599	Taptite Screw, 1/4-20:0.500
7	710-0909A	Taptite Screw, 5/16-18:1.750
8	710-1007	Taptite Sems Screw, 3/8-16:1.500
9	710-1008	Taptite Sems Screw, 3/8-16:1.875
10	710-1189	Screw, #12-24:0.625
11	738-0430	Scr, Shldr, .50 x .685 3/8-16
12	710-3011	Hex Screw, 3/8-16:2.25
13	710-3119	Hex Screw, 3/8-16:.750
14	912-0240	Jam Nut, 7/16-20
15	712-04063	Flangelock Nut, 5/16-18
16	712-04065	Flangelock Nut, 3/8-16
17	914-0104	Cotter Pin, .072 DIA. x 1.13 LG
18	914-0111	Cotter Pin, 3/32:1.0
19	725-0157	Cable Tie, 3/16 x .05 x 7.4
20	725-04791A	Jumper Harness
21	725-1644	Short Spring Switch
22	926-0154	Push Mount Cable Tie 7.5 LG
23	926-0320	Insulator Nut Plate
24	931-1449A	Blade Fan
25	732-04528	Extension Spring, .50 DIA x 5.0 LG
26	732-04792	Extension Spring, 1.00 DIA x 4.75
27	732-0716D	Extension Spring, .59 OD x 4.00 LG
28	732-0932	Extension Spring, .38 DIA x 5.6
29	732-3118	Extension Spring, .375 OD x 1.44 LG
30	936-0227	Flat Washer, .390 x 1.500 x .134
31	936-0264	Flat Washer, .330 x .630 x .0635
32	936-3008	Flat Washer, .344 x .750 x .120
33	936-0344	Washer, Flat, .385 x 1.0 x .030
34	647-04152D	Brake Control Assembly
35	738-04420	Shoulder Spacer, 1.375 x .380 x .183
36	747-04957A	Footpedal Bypass Transmission Rod

Ref.	Part Number	Description
37	747-05124	Brake Rod
38	747-05125A	Control Rod
39	747-05130	Disengage Rod
40	747-05181	Belt Keeper, 5/16
41	750-04456	Spacer, 260 x .372 x 1.420 LG
42	954-04244A	V Belt, 4L x 77.0
43	756-04224	Flat Idler Pulley, 2.75 OD
44	756-04325	V Idler Pulley, 3.06
45	783-05443A	Torque Bracket
46	783-05841A	Switch Bracket
47	783-06027B	Center Idler Bracket
48	783-06501A	Deck Bracket
49	783-06503	Plate Bracket
50	783-0693A	Axle Bracket
51	683-04621	Hydro Pedal Bracket Assembly
52	710-0604A	Taptite Screw, 5/16-18:0.625
53	711-05068A	Clevis Pin, 5/16 x 3.985
54	714-04040	Bow-Tie Cotter Pin
55	719-0584B	Control Pedal
56	726-0214	Push Cap
57	732-04587	Extension Spring, .63 DIA x 4.95 LG
58	735-04136	Brake Pedal Pad
59	736-0242	Bell Washer, .340 x .872 x .060
60	938-0380	Shoulder Bolt, .500 x .270:3/8-16
61	741-0495	Flange Bearing, .630 ID x .695 OD x .60
62	748-04203	Cruise Latch
63	783-05914	Pedal Support Bracket
64	783-05940	Pedal Support Bracket, 5/8
65	783-06103A	Brake Pedal Bracket
66	634-0202A	Wheel Assembly
67	712-3050	Lug Nut, 7/16-14
68	934-0255	Air Valve
69	734-04147-0901	Tire
70	634-04238	Rim Assembly
71	710-1026	Taptite Screw, 1/4-20:1.750

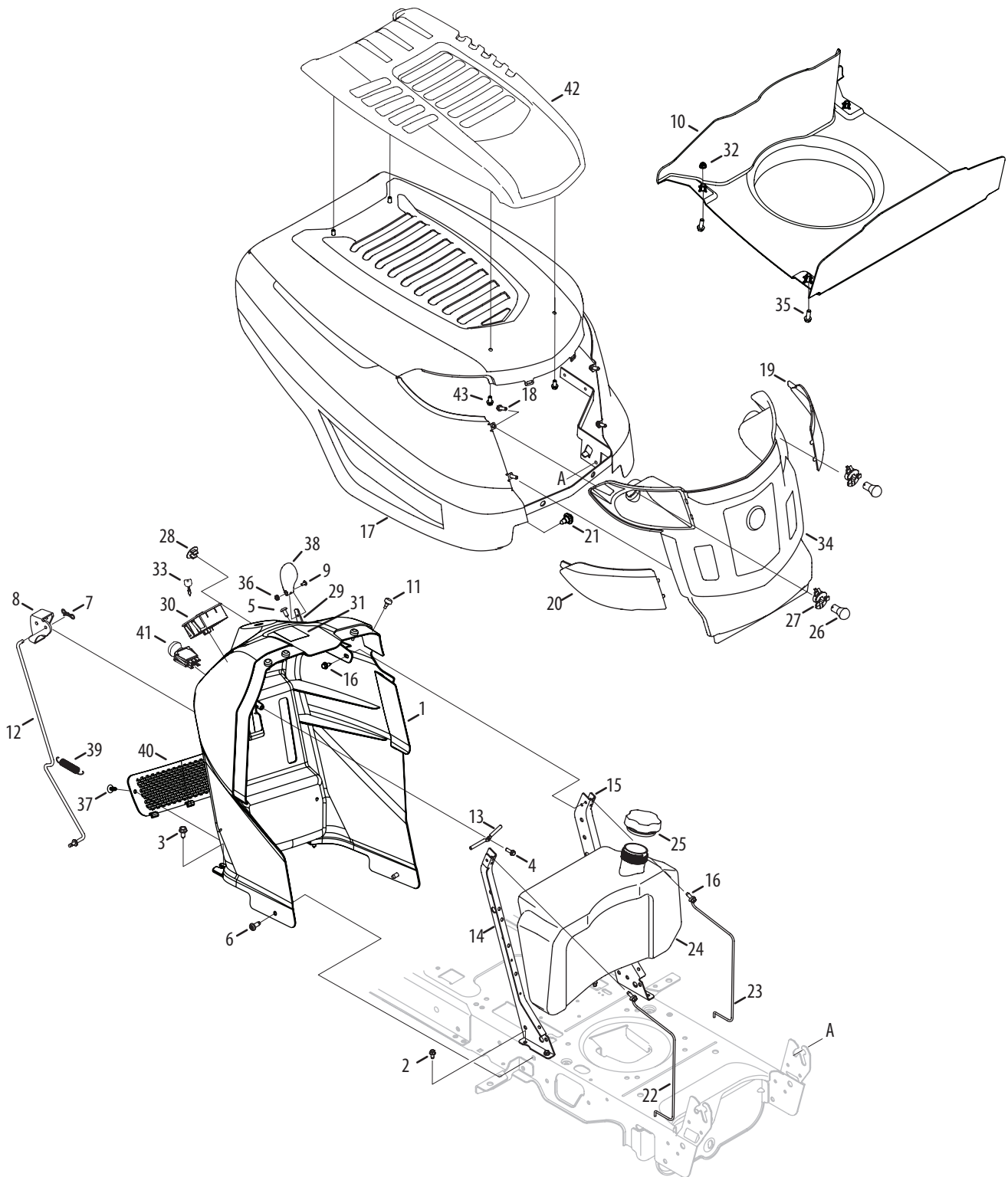
54" Deck



Ref.	Part Number	Description
1	12650	Height Adjust Bracket
2	96606	Retainer Hook Bracket
3	918-04608A	Spindle Assembly
4	683-0254B	Deck Hanger Bracket Assembly
5	983-04652A	Deck Assembly
6	683-0459	Idler Assembly
7	703-2093C	Inner Baffle
8	703-3279	Deflector Chute Stop
9	710-04095	Hex Screw, 3/8-16:1.00
10	710-04484	Taptite Screw, 5/16-18:.750
11	710-0521	Hex Screw, 3/8-16:3.00
12	710-0528	Hex Screw, 5/16-18:1.25
13	710-0599	Hex Screw, 1/4-20 x .500
14	710-0623	Taptite Screw, 3/8-16:0.750
15	710-0859	Hex Screw, 3/8-16:2.50
16	710-3103	Hex Screw, 5/16-18:2.00
17	710-3168	Carriage Bolt, 3/8-16:1.00
18	710-3178	Carriage Bolt, 3/8-16:0.75
19	911-0332	Clevis Pin, .50 DIA x .78 LG
20	911-3314	Roller Pin, 1/2 DIA x 7.31 LG
21	712-0229	Push Nut, 3/8
22	712-04063	Flangelock Nut, 5/16-18
23	703-3511B	Finger Guard
24	712-04065	Flangelock Nut, 3/8-16
25	712-0417A	Flange Nut, 5/8-18
26	712-04243	Flexlock Nut, 1/2-13
27	731-07487	Deck Wash Nozzle
28	912-3010	Hex Nut, 5/16-18
29	712-3022	Hexlock Nut, Counterlock, 1/2-13
30	914-0111	Cotter Pin, 3/32:1.0
31	914-0145	Click Pin, .092 x 1.64 LG
32	714-0162	Cotter Pin, 5/32:1.25
33	753-04070	Lynch Pin, .1875
34	736-0317	Washer, .630 x 1.25 x .180
35	914-0470	Cotter Pin, 1/8 x 1.25
36	715-0108	Spring Pin, 1/4 DIA x 1.00 LG
37	917-04074	Deck Gear
38	921-04041	Water Nozzle Adaptor
39	731-0335	Deck Roller
40	731-05679	Front Roller

Ref.	Part Number	Description
41	732-04652	Compression Spring, .535 OD x 1.751 LG
42	732-04692	Extension Spring, .85 OD x 5.915 LG
43	732-0934	Extension Spring, 1.15 OD x 5.99 LG
44	734-04155	Deck Wheel
45	936-0119	Lock Washer, 5/16
46	936-0179	Flat Washer, .531 x 1.25 x .100
47	738-04278	Shoulder Screw, 1/4-20 x 0.50
48	936-0300	Flat Washer, .406 x .875 x .059
49	936-0921	Lock Washer, 1/2
50	783-07236	Pulley Cap
51	738-0295	Shaft, .750 x .47.12
52	738-1229A	Shield Screw, .625 x 2.50:1/2-13
53	938-3056	Shoulder Bolt, .496 x 2.50:3/8-16
54	942-0677B	Blade
55	747-04938	Belt Keeper Rod
56	747-05141A	Deck Lift Rod
57	937-3000	Lube Fitting
58	747-05462	Deck Sway Rod
59	747-1116	Deck Release Handle Rod
60	950-0212	Spacer, .82 ID x 1.00 OD x .53
61	750-04597	Spacer, .380 x .900 x 1.313
62	750-0933	Spacer, .385 ID x .88 x .64
63	954-04083	V Belt
64	756-04129B	Idler Pulley, 4.25"DIA
65	783-04013A	Pulley Stabilizer Bracket
66	783-04690B	Deck Skirt
67	783-04726	Stationary Idler Bracket
68	738-1197	Spindle Shaft, 6.95 LG
69	783-1470A	RH Spindle Cover
70	783-1471A	LH Spindle Cover
71	941-0919A	Ball Bearing, .787 ID x 1.85 OD x .551
72	748-0160A	Spacer, .790 ID x 1.25 OD x .175
73	750-1000	Spacer, .80 x 1.10 x 1.322 LG
74	750-1349A	Spacer, .79 x 1.82 x .55 LG
75	756-04216	Deck Pulley
76	631-04070A	Chute Assembly
77	711-04565	Hinge Pin
78	732-04372	Torsion Spring, .44 ID x 2.0
79	783-05030	Chute Bracket

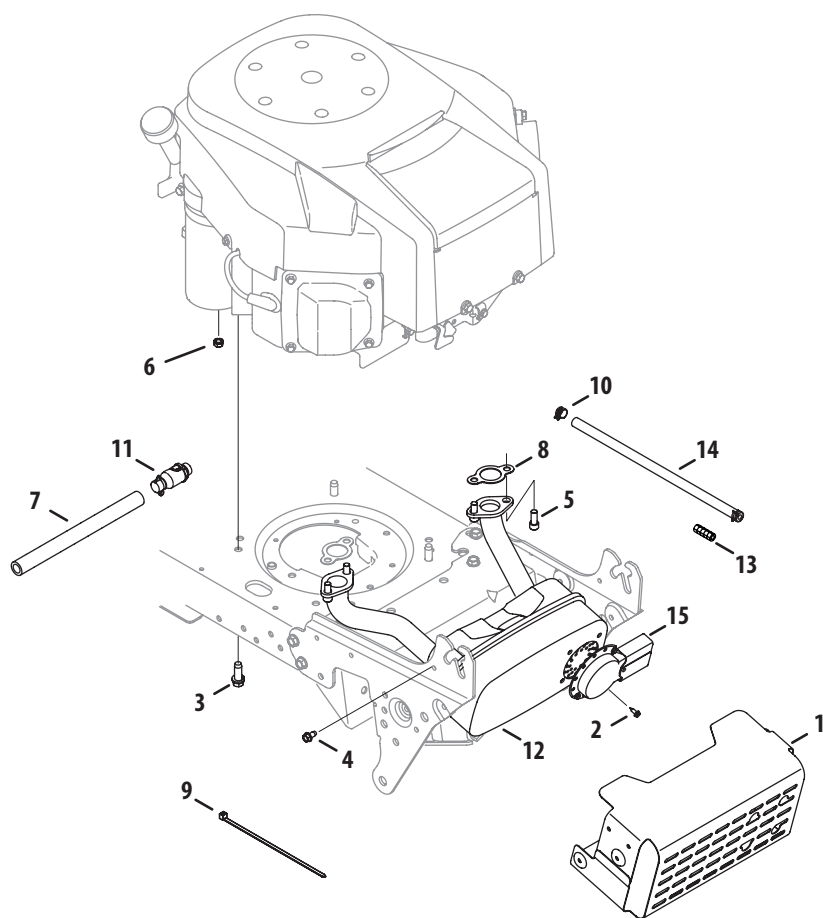
Hood and Dash, K Style



Hood and Dash, K Style

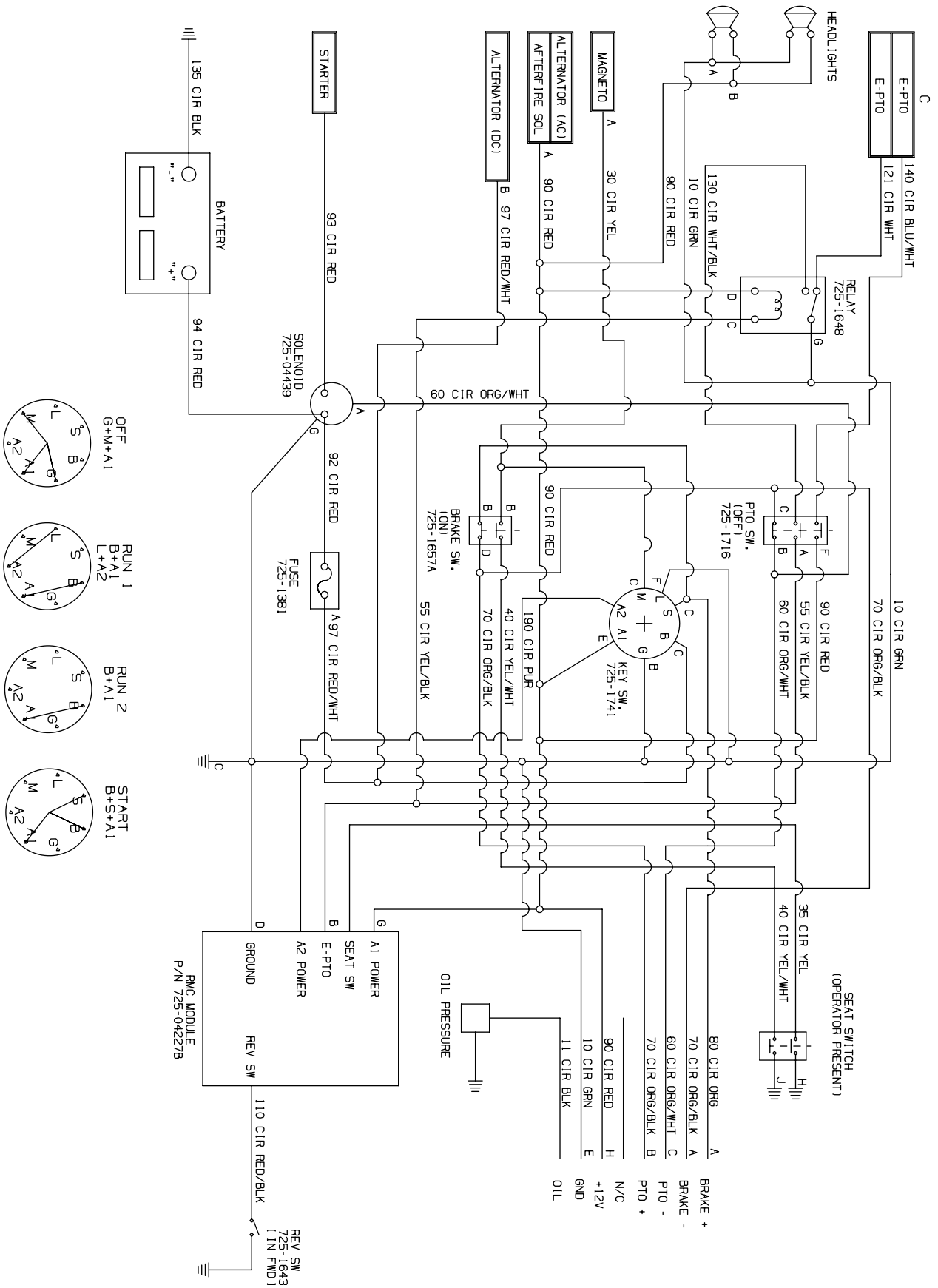
Ref.	Part Number	Description	Ref.	Part Number	Description
1	731-07456	Dash	23	747-04946	RH Tank Support Rod
2	710-0599	Taptite Screw ,1/4-20:0.500	24	951-04309	Fuel Tank
3	710-04484	Taptite Screw ,5/16-18:.750	25	951-12182	Fuel Cap
4	710-0895	Hi-Lo Screw, 1/4-15:0.750	26	925-0963	Lamp
5	710-1017	Screw, 1/4-14:0.625	27	925-1649	Lamp Socket
6	710-1611B	Taptite Screw ,5/16-18:0.750	28	731-1999	Choke Plug
7	714-04040	Bow Tie Cotter Pin	29	946-04542	Throttle/Choke Cable, 46.5"
8	631-04353A	Dash Lever	30	925-04227B	Key Switch Module
9	710-3217	Machine Screw, #8-32:0.375	31	925-04036C	Hour Meter
10	931-06212	Plenum	32	712-04064	Flangelock Nut, 1/4-20
11	735-0271A	Bumper	33	625-05002	Key, Assembly
12	747-05280	Control Rod Latch	34	631-04272	Grill
13	747-1196	Lever	35	710-0751	Hex Screw, 1/4-20:.620
14	783-04285F	RH Support Plate	36	712-0142	Hex Nut, #8-32:GRA
15	783-04323F	LH Support Plate	37	726-3046	Ratchet Clip:.250 DIA
16	710-1652	Tap Screw, 1/4-20, 0.625	38	731-07550	Control Knob
17	683-04774	Hood Assembly	39	732-04580	Extension Spring, .500 DIA X 2.733 LG
18	710-05108	Screw, 1/4 DIA:.750	40	735-04076	Accessory Net
19	731-06095	LH Lens	41	925-04174	Electric PTO Switch
20	731-06096	RH Lens	42	731-06194B	Hood Scoop
21	738-04091A	Shoulder Screw, .43 x .29	43	710-04187	Hex Washer Screw, 1/4-15 x .50
22	747-04161	LH Tank Support Rod			

Engine Accessories, Kohler



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
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
13	751-12089-28	Hose, Vent
14	751-10349	Hose, Fuel, Low Permeation, 1/4
15	751-11053A	Deflector, Muffler, Long

17



This image shows a blank sheet of white paper designed for writing notes. A thin vertical black line runs down the left side, creating a narrow margin. The rest of the page is filled with evenly spaced horizontal black lines, providing a guide for writing. The top-left corner features the word "Notes" in a bold, black, sans-serif font.

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To order replacement parts or locate your nearest service dealer call a Customer Support at (800) 800-7310.
or visit www.mtdproducts.com to find the nearest authorized dealer in your area.

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