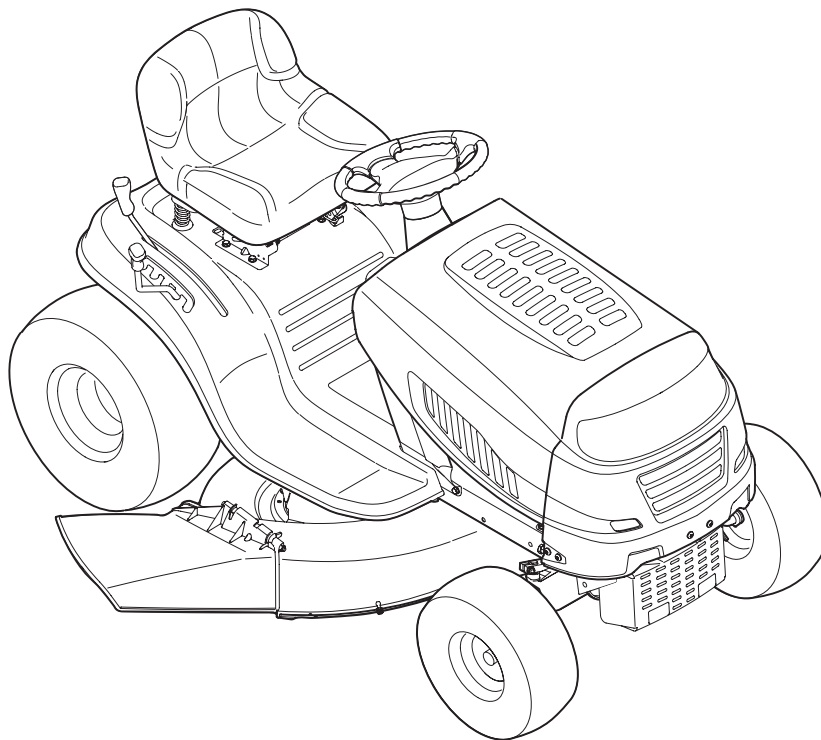




ILLUSTRATED PARTS MANUAL



Hydrostatic Lawn Tractor — Horse XP

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.

Table of Contents

<u>K Style (Troy-Bilt) Hood.....</u>	<u>4</u>	<u>Frame and PTO Lift</u>	<u>12</u>
<u>Seat and Fender</u>	<u>6</u>	<u>46" Deck</u>	<u>14</u>
<u>Front End Steering.....</u>	<u>8</u>	<u>Kohler Courage.....</u>	<u>16</u>
<u>Transmission.....</u>	<u>10</u>	<u>Wiring Harness Schematic - 725-04432H</u>	<u>17</u>

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

--	--	--	--	--	--	--	--	--	--	--

SERIAL NUMBER

--	--	--	--	--	--	--	--	--	--	--

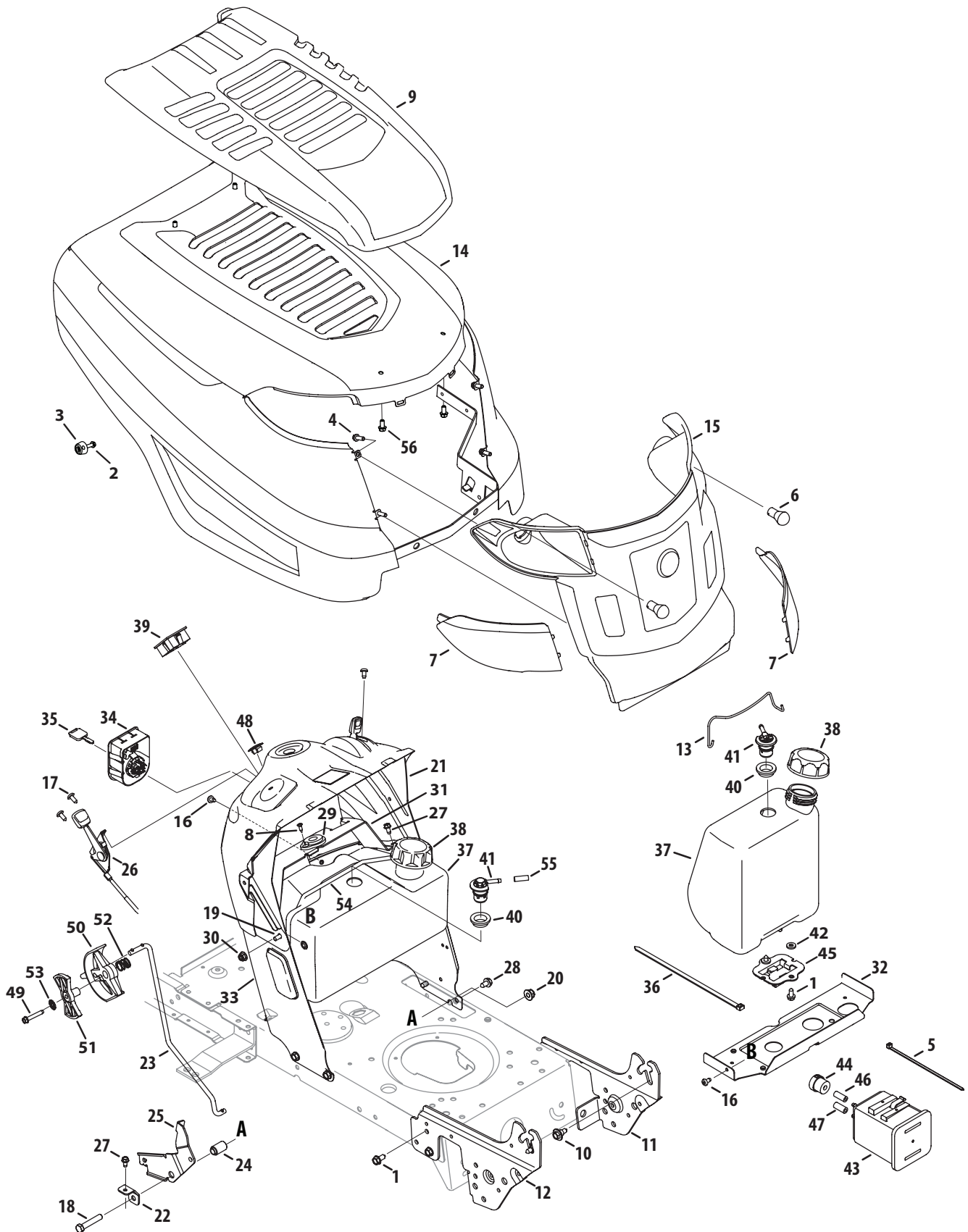
Painted Parts

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

0637	Black	0674	Yellow (Yard-Man)
0709	Dark Green (Bolens, Yard-Man)	0650	Metallic Red (White Outdoor)
0662	Oyster Gray (MTD Gold)	0629	Silver Flake (MTD Platinum)
0638	Red (Yard Machines, Huskee, Troy-Bilt, MTD)	04038	Day Orange (Daedong)
0691	Black Jack (MTD Gold, MasterCut)	04033	Flint Mica (Troy-Bilt XP)

This page left intentionally blank.

K Style (Troy-Bilt) Hood



K Style (Troy-Bilt) Hood

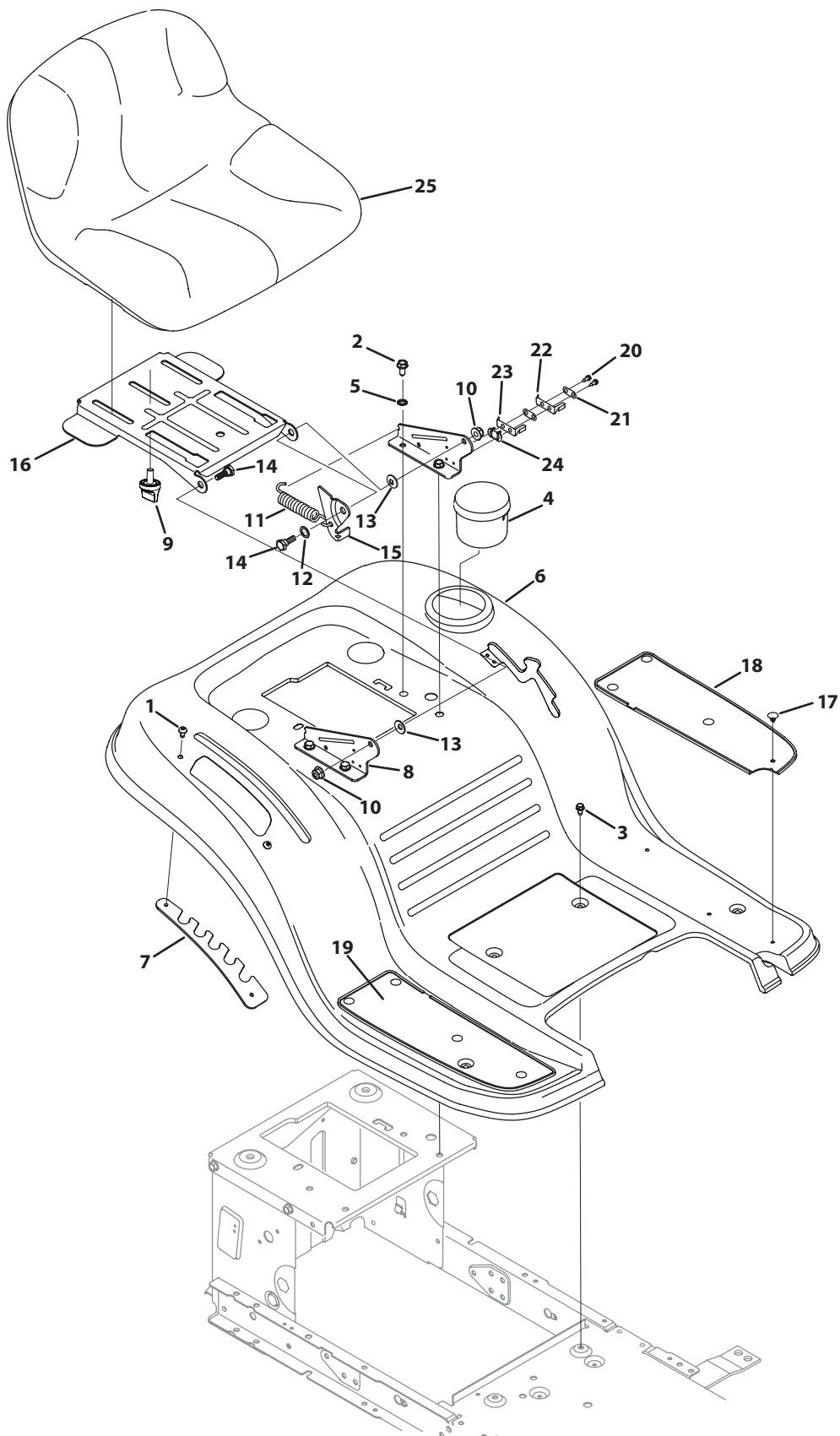
Ref. No.	Part No.	Description
1	710-04484	Screw 5/16-18 x .750
2	710-05281	Screw, #12-16 x 1.25
3	731-06404	K-Style Bumper
4	710-05108	Screw, 1/4 x .750
5	725-0157	Cable Tie
6	925-0963	Miniature lamp 12V socket
7	731-06095	Grill Lens - LH
	731-06096	Grill Lens - RH
8	910-0224	Screw, #10-16 x .500
9	731-06194B	Hood Scoop
10	738-04091A	Shoulder Screw .43 x .29
11	783-05327B	Support Bracket LH
12	783-05328A	Support Bracket RH
13	683-04448	Battery Rod
14	683-04774	Hood, w/ scoop
15	631-04272	Grill
16	710-05070A	Screw, 1/4-20 x .500
17	710-04483	Screw 1/4-20 x .500
18	710-3144	Hex Screw 3/8-16 x 2.00
19	710-3025	Hex Screw, 5/16-18 x .625
20	712-04065	Flange Lock Nut 3/8-16
21	931-07770A	Dash, Upper
22	783-06823	Speed Latch Tab
23	747-05398	Speed Control Rod
24	750-04465C	Flange Spacer .39 x .671 x 1.095
25	683-04766	Transmission Speed Latch
26	746-04367	Throttle/Choke Control Cable
27	710-1652	Tap Screw, 1/4-20, 0.625
28	710-0604A	Screw 5/16-18 x .625
29	741-0587	Bearing, .628 ID x 1.36
30	712-04063	Flange lock Nut 5/16-18

Ref. No.	Part No.	Description
31	783-06785C	Bracket, Steering Support
32	783-07083†	Gas Tank Support Bracket
33	783-06811D	Dash, Lower NOWDO
	783-06656C	Dash, Lower WDO
34	925-06119A	Key Switch Module
35	625-05002	Key, Assembly
36	726-0230†	Cable Tie
37	951-04295	Fuel Tank, 2 Gallons, EPA
	951-04304	Fuel Tank, 1.36 Gallon, CARB
38	951-12179B	Fuel Cap
	951-12426A	Fuel Cap, CARB
39	925-04156	Ammeter Monitor Indicator
40	735-04081	Rubber Grommet
41	751-12118	Rollover Valve
42	936-3008††	Washer, Flat, .344 x .750 x .120
43	951-10589††	Canister, Carbon, 5 Gallon
44	951-10590††	Filter, Vent, Canister
45	951-10610††	Bracket., Adapter, Canister
46	751-10749††	Hose, Fuel, Low Perm., White
47	751-10750††	Hose, Fuel, Low Perm., Yellow
48	731-05265	Choke Plug
49	710-0778	Hex Washer Screw, 1/4-20 x 1.50
50	731-07885B	Shift Lever
51	731-07966A	Index Control
52	732-04877	Compr. Spring, .685 OD x .63
53	736-3006	Lock Washer, 1/4
54	747-05373	Fuel Tank Clamp Rod
55	751-12089-28	Hose Vent, 3/16 EPA
56	710-04187A	Screw, 1/4-15 x 0.50
—	925-04432H	Harness, LT-5, RMC, Dual
—	725-04469	Harness, Impr., Amtr.

† If Equipped

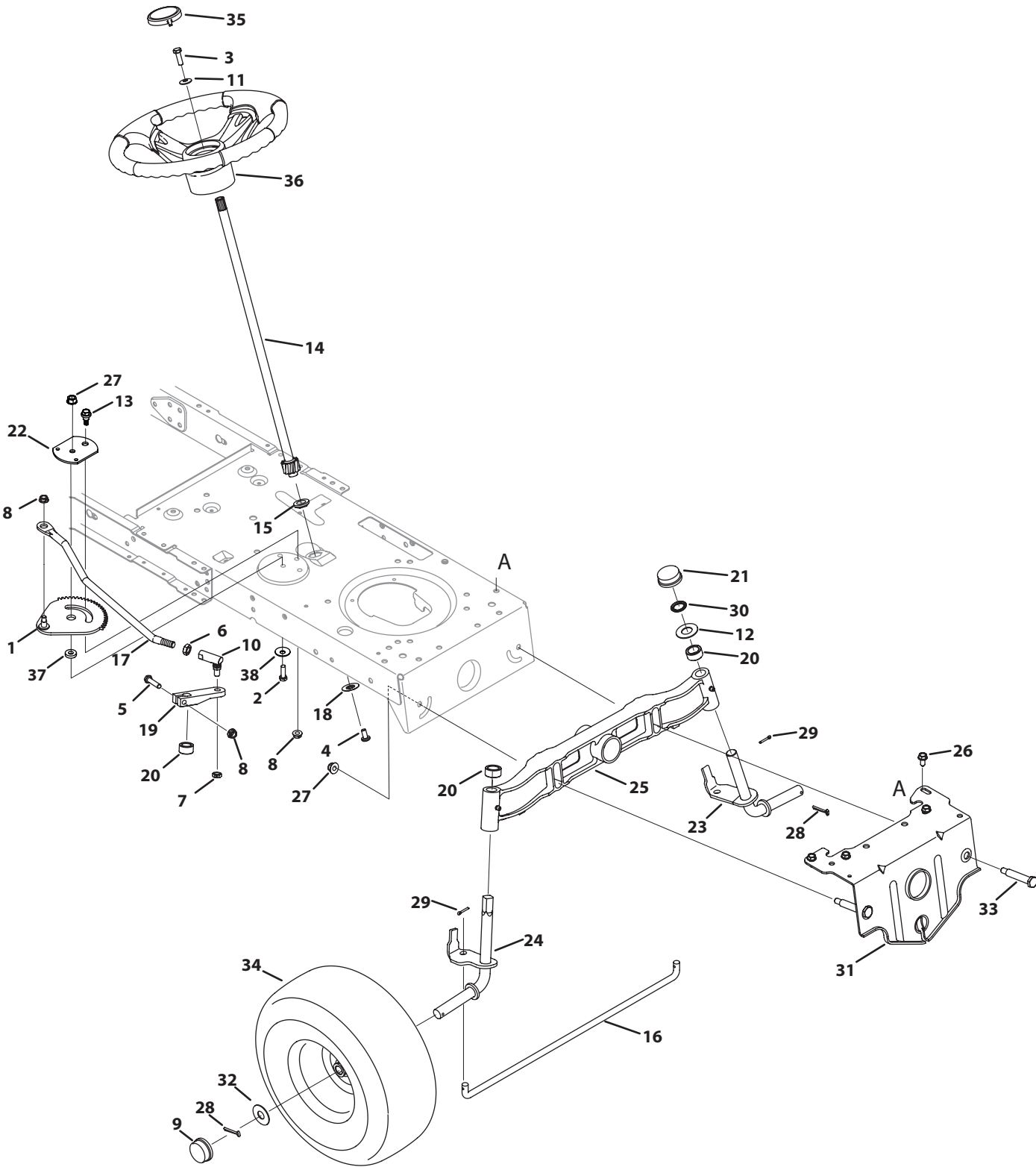
†† Equipped with CARB Fuel Tank

Seat and Fender



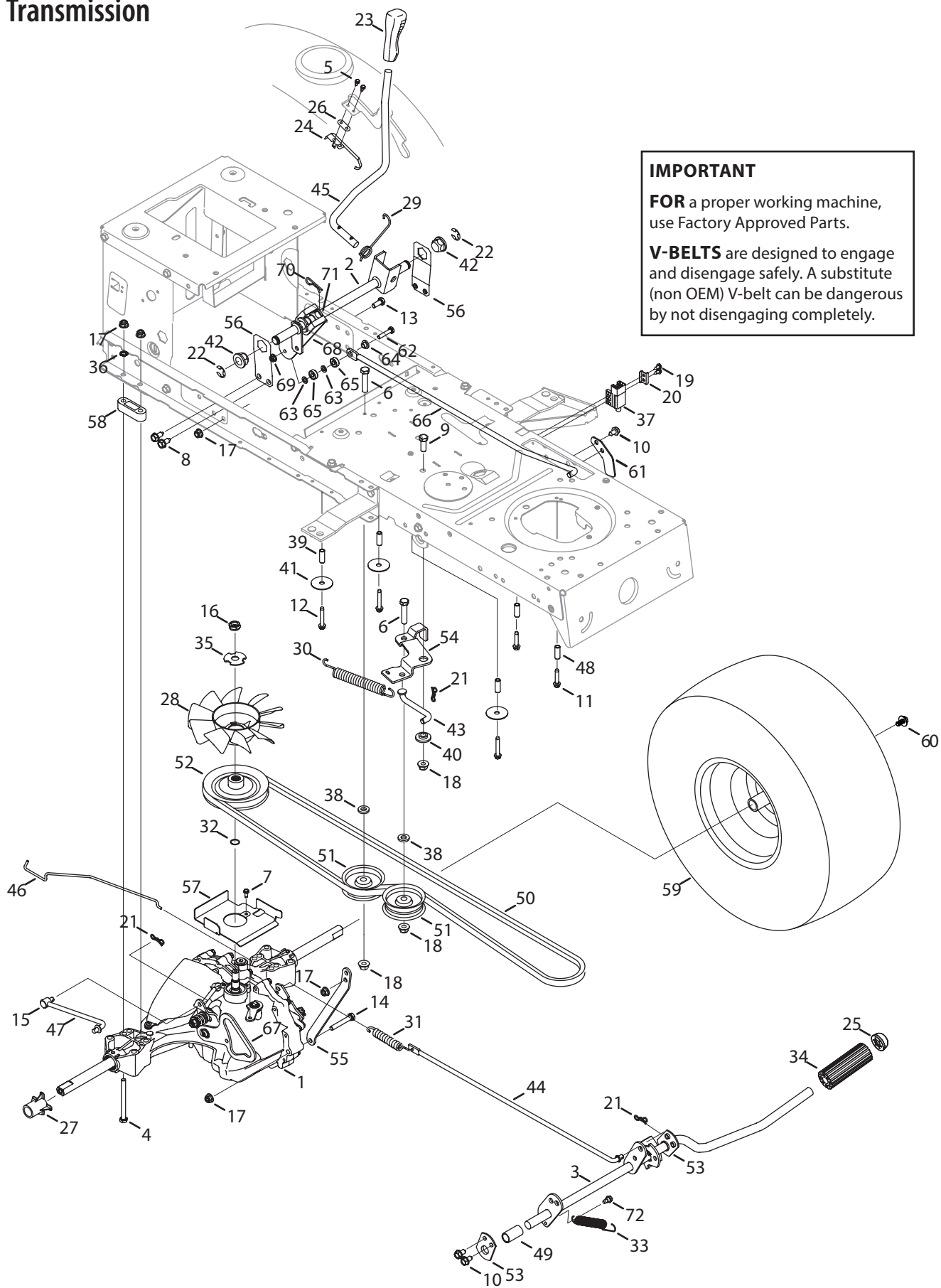
Ref. No.	Part No.	Description
1	710-05070A	Screw, 1/4-20 x .500
2	710-04484	Screw, 5/16-18 x .750
3	710-0599	Screw Pan Torx Head, 1/4-20 x .500
4	731-04591A	Cup Holder
5	736-0607	Loack Washer, 5/16
6	783-04593E	Fender
7	783-04843	Lift Adjuster Bracket
8	783-1489D	Seat Mount Bracket
9	720-04061	Knob
10	712-04063	Flangelock Nut, 5/16-18
11	732-1184	Extension Spring
12	936-0108	Flat Washer, .510x .750 x .033
13	736-0242	Bell Washer, .340 x .872 x .060
14	938-0296	Shoulder Screw, 5/16-18 x .437 x .268
15	783-0209D	Lift Seat Bracket
16	783-04081D	Pivot Seat Manual Adjust Bracket
17	726-3046	Ratchet Clip, .250 x .500
18	735-04047	Foot Pad, LH
19	735-04048	Foot Pad, RH
20	710-0227	Screw, 8-18 x .500
21	726-0279	Insulator Plate
22	925-1308A	Outer Seat Spring
23	725-1439	Inner Seat Spring
24	726-0278	Insulator Boss Plate
25	757-04088A	High Back Seat

Front End Steering



Ref. No.	Part No.	Description
1	617-04094	Front Steering Gear Assembly
2	710-0514	Hex Screw, 3/8-16 x 1.00
3	710-0643	Screw, 5/16-18, 1.00, Gr5, Lock
4	710-1309	Screw, Mach, 5/16-18, 0.750
5	710-3180	Screw, 5/16-18, 1.75, Gr5
6	912-0240	Nut, Jam, 7/16-20, Gr2
7	912-0214	Nut, Hex Lock, 3/8-24
8	712-04063	Nut, Flange Lock, 5/16-18, Grf
9	931-0484A	Hub Cap
10	923-0448A	Ball Joint, 7/16-20, Lock
11	736-0242	Washer, Bell, .340 x .872 x .060
12	936-0316	Washer, Flat, .78 x 1.59 x .60
13	738-04141	Shoulder Screw, .435 x .3485, 5/16-18
14	938-05078	Steering Shaft, 5/8
15	941-04124	Bearing, Flange, Hex 5/8
16	747-04299A	Tie Rod
17	747-05385A	Steering Link
18	948-0389	Cap, 1.25 x .16
19	748-04278	Steering Block
20	748-04068	Spacer, .710 ID x .125 OD x .56
21	731-04693	Push Cap, Cast
22	783-08577	Stabilizer Plate
23	938-04014A	Axle Assembly, LH
24	938-04013	Axle Assembly, RH
25	919-04177B	Pivot Bar, Cast
26	710-04484	Screw, 5/16-18, 0.750
27	912-0431	Flangelock Nut, 3/8-16
28	714-0162	Cotter Pin, 5/32 x 1.25
29	914-0474	Pin, Cotter, 1/8 x 0.75
30	726-04035	Push Nut 3/4 Dia.
31	783-05326B	Pivot Bar Bracket
32	736-04228A	Washer, Flat, .781 x 1.59
33	738-04128	Scr., Shlder, .500 x 2.380, 3/8-16
34	634-05067-0911	Wheel Ass'y, Sq. Shldr., 15 x 6 x 6
35	731-04681	Cap, Troy-Bilt
36	631-04560A	Steering Wheel Soft Grip
37	750-06192A	Spacer, .38 ID x .854 OD x .220
38	736-0331	Bell Washer, .390 x 1.13 x .062

Transmission



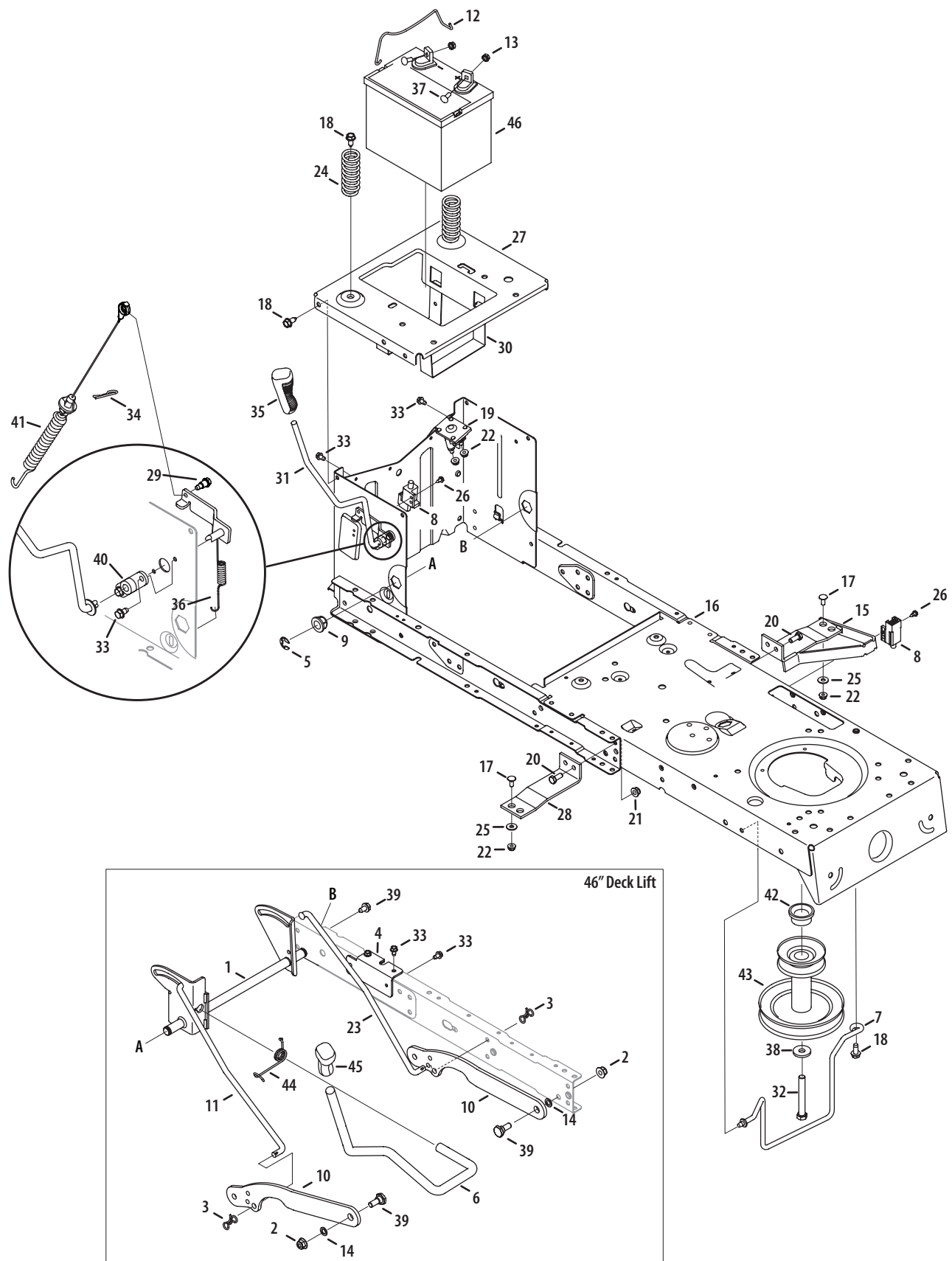
IMPORTANT

FOR a proper working machine, use Factory Approved Parts.

V-BELTS are designed to engage and disengage safely. A substitute (non OEM) V-belt can be dangerous by not disengaging completely.

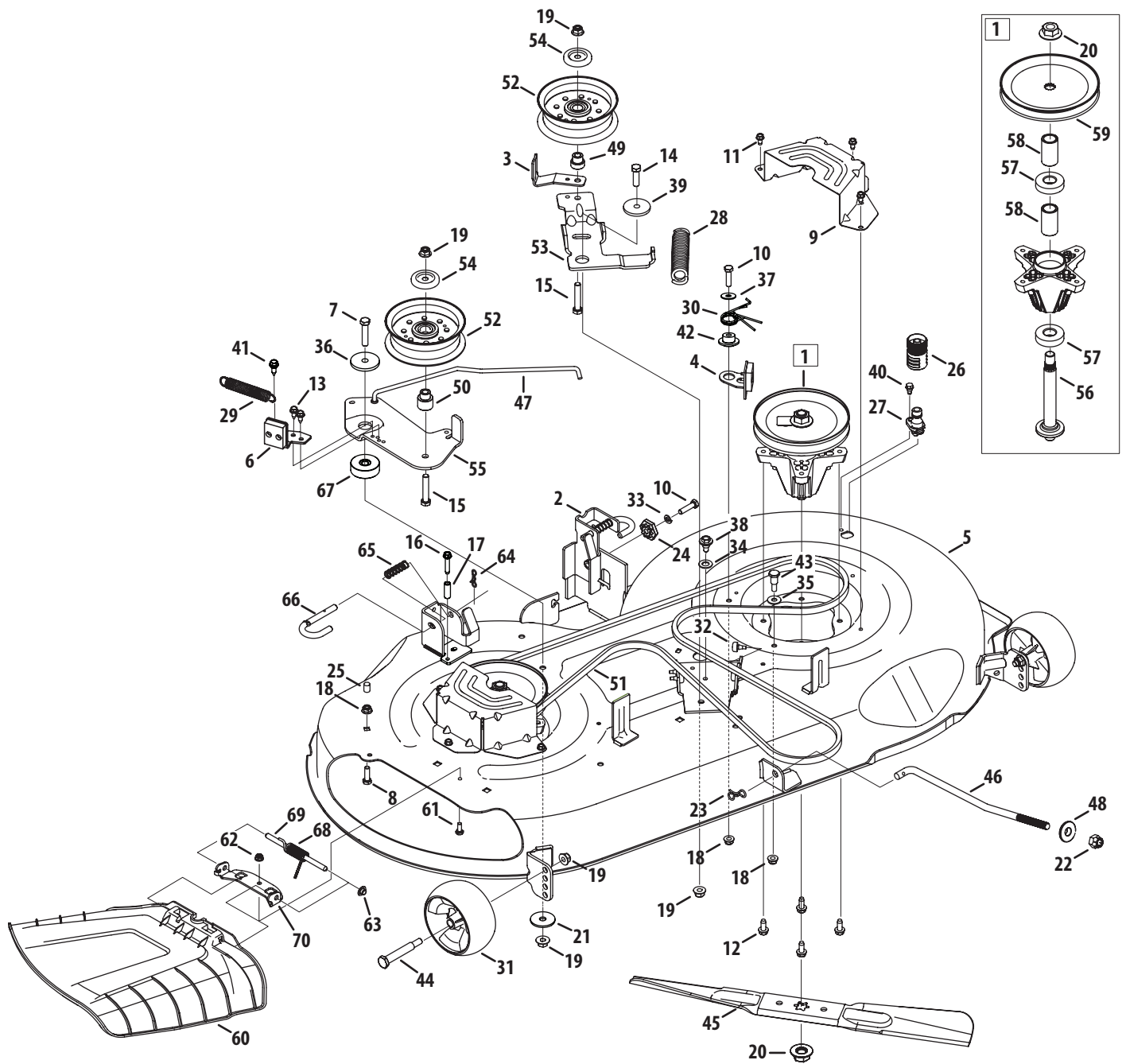
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	918-04892B	Hydro Transmission	38	736-3010	Flat Washer, .407X.812X.135:HT
2	647-04200A	Hydro Handle Control Assembly	39	750-04456	Spacer, .260 x .372 x 1.420
3	647-04261A	Hydro Pedal Assembly	40	738-04430	Shldr Spacer, 1.375 ID X .380 x 1.54
4	710-1266	Hex Screw, 5/16-18 x 3.5	41	736-0430	Flat Washer, .350 x 1.59 x .062
5	710-0227	Screw, #8-18:0.500	42	941-0225	Hex Flange Bearing
6	710-0347	Hex Screw, 3/8-16:1.75	43	747-05603	Declutching Rod
7	910-0224	Screw, #10-16:0.500	44	747-05242A	Brake Rod
8	710-04484	Screw, 5/16-18:.750	45	747-04296A	Hydro Control Handle
9	710-0514	Hex Screw, 3/8-16:1.00	46	747-05245	Hydro Bypass Rod
10	710-0604A	Screw, 5/16-18:0.625	47	747-04407A	Hydro Control Rod
11	710-0809	Screw, 1/4-20:1.250	48	750-0566A	Spacer, .260 x .375 x 1.030 LG
12	710-1026	Screw, 1/4-20 x 1.75	49	750-05593	Spacer, .640 ID X .76 OD X 1.60
13	710-3008	Hex Screw, 5/16-18:.75	50	954-04252	V Belt, 4L SEC X 84.17
14	710-3103	Screw, 5/16-18 x 2.00	51	756-04224	Flat Idler Pulley 2.75 OD
15	711-04448	Ferrule, 5/16-24 X .312 DIA.	52	756-04308	Input Pulley
16	912-0346	Jamlock Nut, 1/2-20	53	783-04536B	Support Pedal Bracket
17	712-04063	Flangelock Nut, 5/16-18	54	783-04570B	Idler Arm
18	712-04065	Flangelock Nut, 3/8-16	55	783-06551	Torque Bracket
19	728-04021	Rivet	56	783-04585A	Handle Bracket
20	17962	Plate Switch	57	783-06558	Belt Support Bracket
21	714-04040	Cotter Pin, Bow Tie	58	948-0334	Spacer, T-Axle
22	716-0106A	E Rign, .625 DIA	59	634-0104-0911	Wheel, 20 x 8 x 8 - Grey
23	720-0311	Handle Grip	60	710-05339	Screw, 5/16-24 x .750
24	725-04249	Hydro Spring Switch	61	783-06807A	Stop Pedal Plate
25	726-0214	Push Cap, 5/8	62	710-0606	Hex Screw, 1/4-20 x 1.50
26	926-0320	Insulator Plate Nut	63	936-0329	Lock Washer, 1/4
27	731-08237	Sleeve, .765 ID X 2.11 LG	64	738-04483	Shoulder Spacer, .375 x .625 x .20
28	731-06098	Hydro Fan	65	741-04280	Ball Bearing, .25 x .6875 x .25
29	732-04225	Torsion Spring	66	747-05598A	Hydro Rod, RTN
30	732-04229	Extension Spring, .75 DIA. X 6.02	67	783-06750A	Cam Bracket, RTN
31	732-0716D	Extension Spring, .59 OD X 4.00 LG	68	783-06756	Pivot Bracket, RTN
32	732-0729	Wire Ring	69	712-04064	Nut, Flange Lock, 1/4-20, GrF
33	732-04587	Extension Spring, .63 DIA X 4.95 LG	70	914-0145	Click Pin, .092 x 1.64 LG
34	735-0239	Foot Pad, 4.0	71	741-3065B	Hex Flange Bearing, .628 ID
35	736-04263	Lock Washer, TRANS HYDRO	72	738-04278	Shoulder Screw, 1/4-20 x 0.50
36	736-0607	Lock Washer, 5/16 EXT TOOTH	—	725-04990	Harness, Jmpr, Hydro
37	925-04039	Switch Interlock			

Frame and PTO Lift



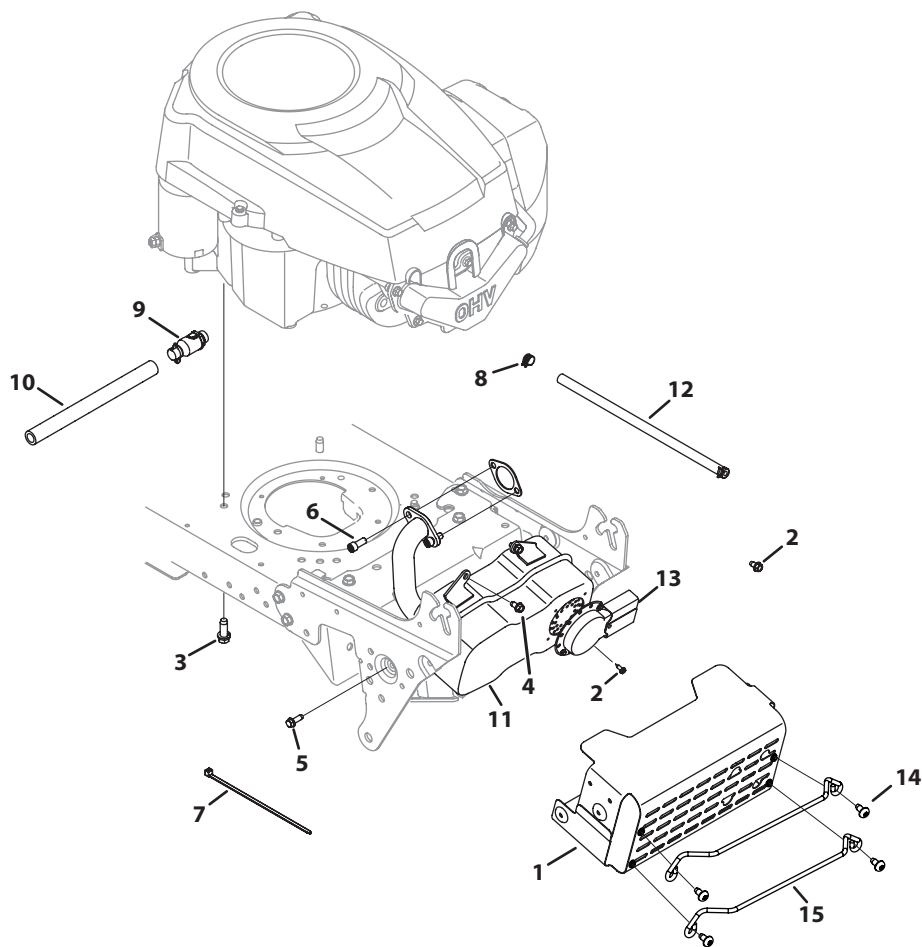
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	683-04334	Shaft Assembly Lift	24	732-0735A	Compression Spacer, 1.314 x 2.55
2	712-04065	Nut, Flange Lock, 3/8-16, GrF	25	736-0173	Flat Washer, .28 x .74 x .063
3	714-04040	Pin, Cotter, Bow Tie	26	738-04237A	Shoulder Screw, #10-32 x .500
4	783-05389A	Frame Brace Bracket	27	783-04548D	Seat Bracket, Frame
5	716-0106A	Ring, E-Type, .625 Dia.	28	783-04637	Bracket, Runing Board
6	747-04653A	Deck Handle, Lift, 46" Deck	29	738-04425	Shoulder Bolt, 1/4-28 x .342 x .335
7	683-04414	Rod, Belt Keeper	30	783-04869A	Bracket, Battery
8	725-04363	Switch, Interlock	31	647-05041	PTO Handle Assembly
9	941-0225	Bearing, Hex Flange	32	710-3157A	Hex Screw, 7/16-20 x 3.25
10	783-0678C	Deck Lift Link	33	710-0599	Screw, 1/4-20, 0.500
11	747-06237A	Lift Rod, RH	34	914-0145	Pin, Click, .092 x 1.64
12	683-04448	Battery Hold Down Rod	35	720-04049A	Grip, Handle, 3/8
13	712-0271	Nut, Sems, 1/4-20	36	732-04276A	Spring, Extension
14	936-0140	Washer, Flat, .385 x .62 x .063	37	710-04666	Screw, Carriage, 1/4-20, .75, Gr5
15	683-04195	Support Bracket Assembly	38	736-0322	Washer, Flat, .450 x 1.250 x .164
16	683-05139	Frame Assembly	39	938-0380	Bolt, Shldr. .500 x .270 3/8-16
17	710-0703	Screw Carriage, 1/4-20 x .75	40	741-04119A	Bearing, PTO
18	710-04484	Screw, 5/16-18, .750	41	946-05124A	Deck Engage Cable
19	725-06153	12V Solenoid	42	750-0956	Spacer, 1.010 x 1.400 x .825
20	710-3008	Hex Screw, 5/16-18 x .75	43	956-04067A	Engine Pulley
21	712-04063	Flange Lock Nut, 5/16-18	44	732-04438	Spring, Torsion 46" Deck
22	712-04064	Nut, Flange Lock, 1/4-20, GrF	45	720-0298	Grip, Handle, 5/8
23	747-06253	Lift Rod, LH	46	925-1707D	Battery, 155 CCA

46" Deck



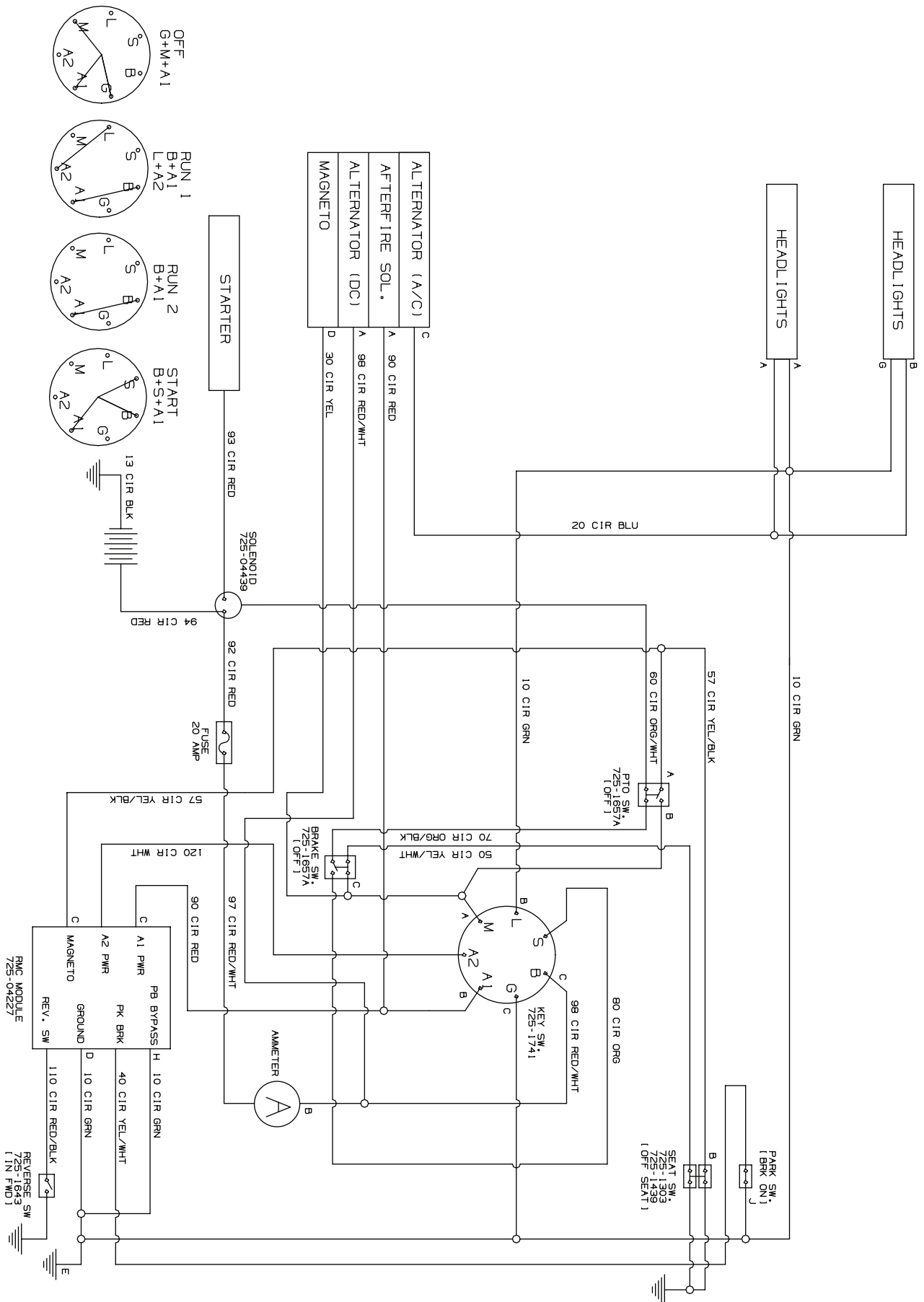
Ref.	Part Number	Description
1.	918-06989	Spindle Assembly, Pul 6.74 Dia
2.	683-0254B	Bracket Assembly, Deck Hanger, LH
3.	783-08690	Belt Keeper
4.	983-05183	Brake Assembly, Deck, LH
5.	683-05196	Deck Assembly, 46t, 2w
6.	983-05182	Brake Assembly, Deck, RH
7.	710-0347	Hex Screw, 3/8-16 x 1.75
8.	710-0376	Hex Cap Screw, 5/16-18 x 1.00
9.	783-08547	Deck Belt Cover, 46
10.	710-0528	Hex Screw, 5/16-18, 1.25, Gr5, Std
11.	710-0599	Screw, Self-tapping, 1/4-20, 0.500
12.	710-1260A	Screw, 5/16-18 x 0.750
13.	710-06133	Screw, M6-1 x .625
14.	710-3005	Hex Screw, 3/8-16 x 1.25
15.	710-3096	Hex Head Screw, 3/8-16 x 2.00
16.	710-0809	Screw, 1/4-20 x 1.25
17.	750-0566A	Spacer, .260 x .375 x 1.030
18.	712-04063	Nut, Flange Lock, 5/16-18, Nylon
19.	712-04065	Nut, Flange Lock, 3/8-16, Nylon
20.	712-0417A	Nut, Flange, 5/8-18
21.	736-3039	Flat Washer, .406 x 1.500 x .105
22.	712-04243	Flange Lock Nut, 1/2-13
23.	714-04043	Bow-Tie Cotter Pin
24.	917-04074	Gear, Deck Adjustment
25.	720-05010	Cap, .290 x .500
26.	921-04041	Water Nozzle Adapter
27.	731-07487	Deck Wash Nozzle
28.	732-04909	Spring, Extension, 1.05 X 6.346
29.	732-04629	Spring, Extension, .750 x .477
30.	732-05151A	Torsion Spring, LH
31.	734-04155	Wheel, Deck, 5.0 Dia Ball
32.	735-0271A	Bumper, .62 Dia X .3
33.	936-0119	Washer, Lock, 5/16, Regular Duty
34.	936-0226	Washer, Flat, .474 x .879 x .064
35.	736-0371	Washer, Flat, .343 X .880 X .062

Ref.	Part Number	Description
36.	738-05082	Shoulder Spacer, .970 X .190
37.	736-3078	Flat Washer, .344 x 1.0 x .063
38.	738-04091A	Shoulder Spacer, .43 x .29, 5/16-18
39.	738-04162C	Shoulder Spacer, .8840 X .190
40.	738-04278	Shoulder Screw, 1/4-20 x 0.50
41.	738-04184A	Shoulder Screw, .368 x .113 x 1/4-20
42.	738-05088	Shoulder Spacer, .75 x .145
43.	738-0754	Shoulder Screw, .437 Dia. X .54
44.	938-3056	Bolt, Shoulder, .496 x 2.50, 3/8-16
45.	942-04290	Blade, Cut, 23.25" 2-In-1, Econ
46.	747-05141A	Rod, Lift, Deck, Medium
47.	747-06538	Brake Rod
48.	748-04069	Pivot Cup, Deck List
49.	748-05029A	Shoulder Spacer, Idler
50.	748-05037A	Shoulder Spacer, Pivot Idler
51.	954-04219	Belt, V-Typ, A Sec
52.	756-05034	Pulley, Idler, 4.50"Dia
53.	783-08618	Bracket, Idler, 46" Lh
54.	783-08389	Pulley Cap
55.	783-08654B	Deck Idler Bracket
56.	738-1186A	Spindle Shaft, 6.05 LG.
57.	941-0919A	Ball Bearing, .787ID X 1.85 ODX.551
58.	750-04936	Spacer, .792 X 1.060 X 1.860 LG
59.	756-05030	Deck Pulley, 6.74 DIA
60.	631-04354A	Chute Deflector Assembly
61.	710-0751	Hex Cap Screw, 1/4-20 x .62
62.	712-04064	Nut, Flange Lock, 1/4-20, Nylon
63.	726-04009	Push Cap
64.	714-04040	Bow-Tie Cotter Pin, 72
65.	732-04652	Spring, Compression, .535 x 1.751
66.	747-1116	Rod, Deck Release
67.	750-06184	Spacer, .385 ID x 1.75 OD x .585
68.	732-05261	Spring, Torsion, .440 ID x 1.75
69.	747-06290A	Hinge Pin
70.	783-08504A	Bracket, Chute, 42"



Ref. No.	Part No.	Description
1	683-04549A	Muffler Shield Assembly with Weld
2	710-0227	Screw, 8-18 x .500
3	710-04683C	Screw, 3/8-16 x 1.0
4	710-0599	Screw, 1/4-20 x .500
5	710-0642	Screw, 1/4-20 x .750
6	710-1314A	Socket Screw, 5/16-18 x .750
7	725-0157	Cable Tie
8	726-0205	Clamp Hose, .490 diameter
9	951-10517A	Oil Drain
10	751-3141-14	Oil Drain, Extension Hose
11	751-11943A	Muffler
12	751-10349-28	Fuel Hose, Low Permeation
13	751-11053A	Muffler Deflector Long
14	710-05070A	Pan Torx Screw 1/4
15	747-06404A	Muffler Guard Rod

17



Notes

[illegible]



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
