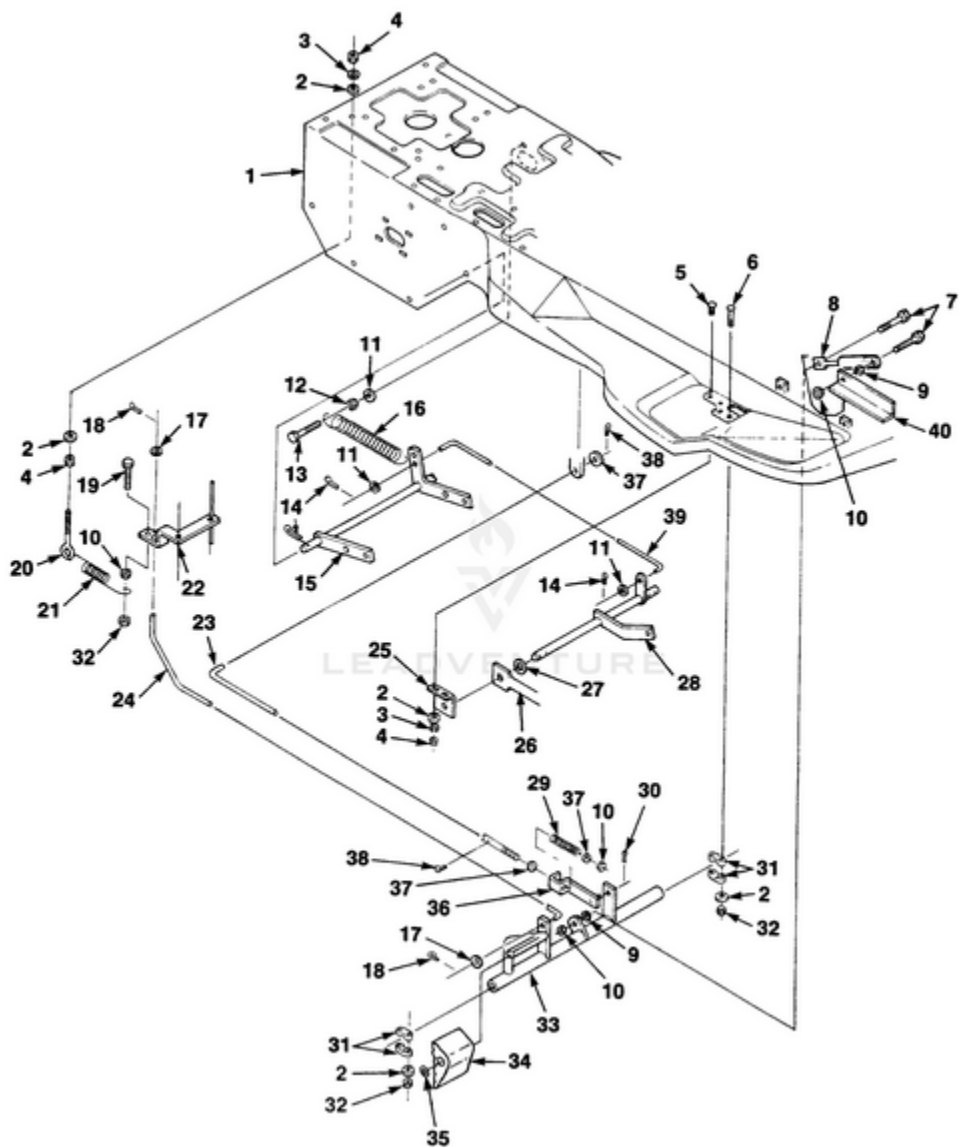


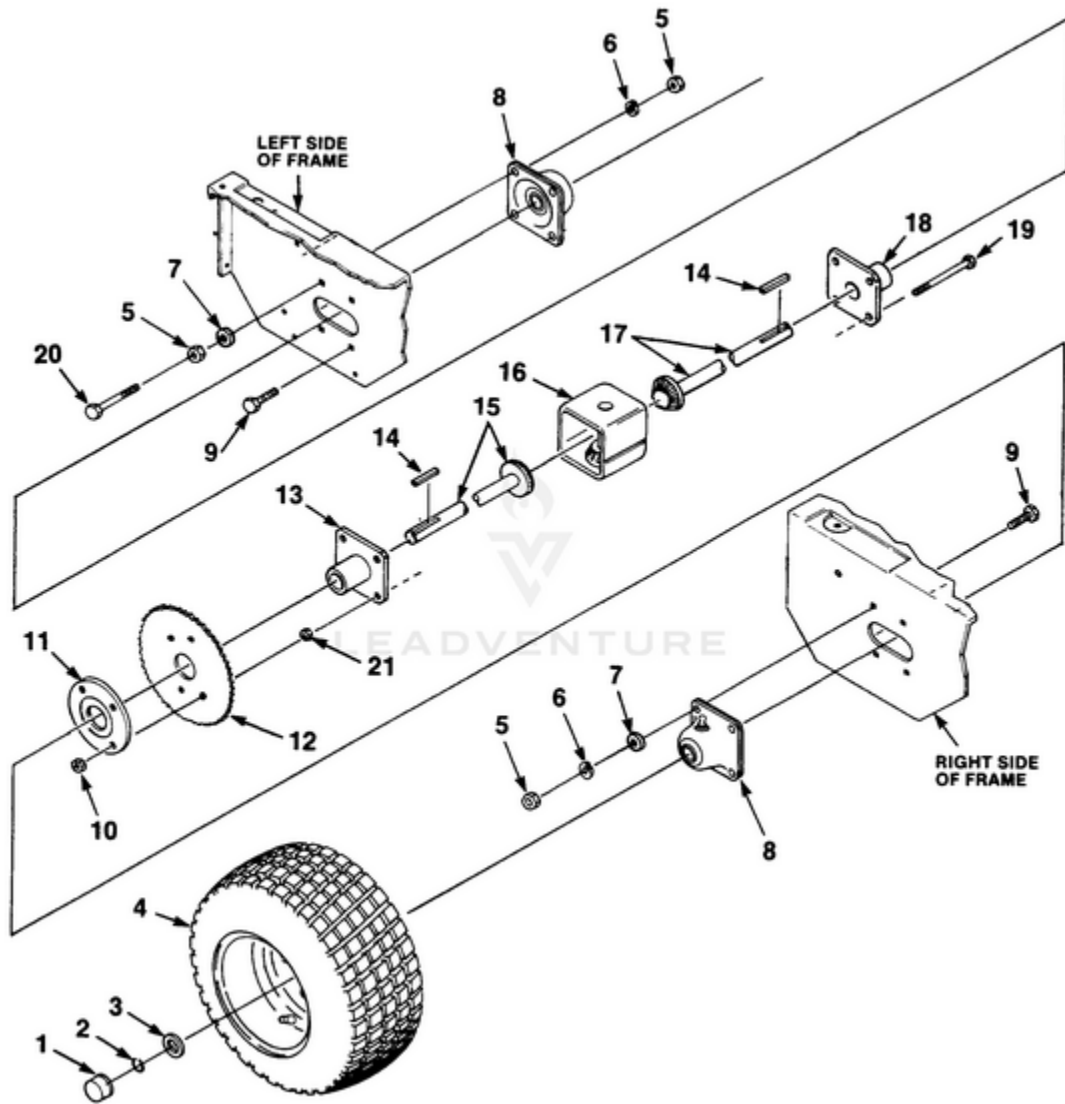
HR830 Riding Mower UT-32023-A - Clutch And Brake



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Ref #	Part #	Description	Qty	Context Note
1	JA994428	FRAME	1	
2	JA452004	WASHER- Flat 1/4"	8	
3	JA446130	WASHER- Lock 1/4"	4	
4	JA443102	NUT- Hex 1/4-20	4	
5	JA441664	BOLT- Rd. hd. 1/4-20 x .625	4	
6	JA440050	BOLT- Rd. hd. 1/4-20 x 1 1/2"	4	
7	JA400192	SCREW- Hex cap 5/16-18 x 1 1/2"	2	
8	JA991444	DAMPER	1	
9	JA443106	NUT- Hex 5/16-18	2	
10	JA444718	NLA(NO LONGER AVAILABLE)	5	
11	JA453011	WASHER- Flat 3/8"	3	
12	JA 444762	NUT- Centerlock 3/8-16	2	
13	JA400272	SCREW- Hex cap 3/8-16 x 2 1/4"	1	
14	JA460212	PIN- Cotter 7/16 x 1"	8	
15	JA993112	HANGER- Rear	1	
16	JA990983	SPRING	1	
17	JA452006	NLA(NO LONGER AVAILABLE)	2	
18	JA460026	PIN- Cotter	2	
19	JA400188	SCREW- Hex 5/16-18 x 1"	1	
20	JA354532	EYEBOLT- 1/4-20	1	
21	JA992818	SPRING- Extension	1	
22	JA994032	ARM- Idler	1	
23	JA993943	ROD- Brake	1	
24	JA992774	ROD- Clutch	1	
25	JA375815	BRACKET- Front hanger	2	
26	JA990507	SUPPORT- Front Axle	2	
27	JA453017	NLA(NO LONGER AVAILABLE)	2	
28	JA992891	HANGER- Front	1	
29	JA376102	SPRING- Compression	1	
30	JA460008	PIN- Cotter	1	
31	JA339461	BEARING	4	
32	JA444708	NUT- Hex centerlock 1/4-20	4	
33	JA994647	CLUTCH/BRAKE	1	
34	JA345020	PEDAL- Rubber	1	
35	JA375810	NUT- Push	1	
36	JA181969	BRACKET- Brake spring	1	
37	JA453009	WASHER- Flat 5/16"	3	
38	JA460016	PIN- Cotter 3/32 x 1"	2	
39	JA994042	ROD- Lift	1	
40	JA991806	BRACKET- Damper	1	

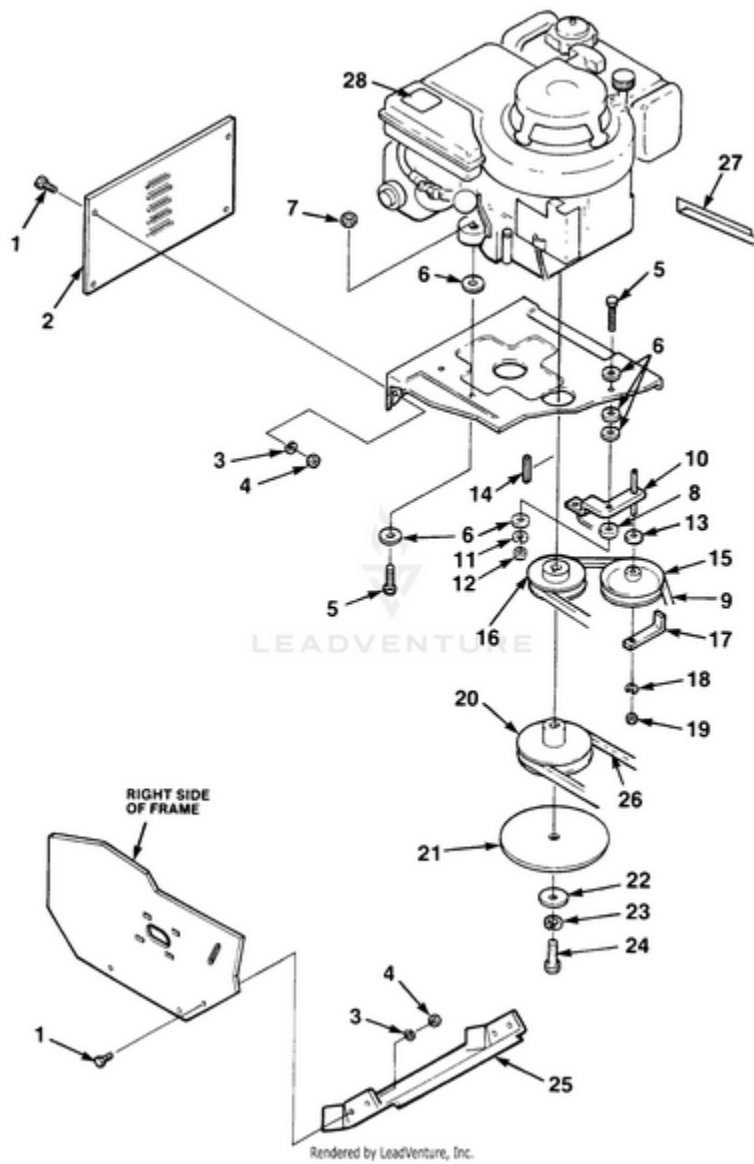
HR830 Riding Mower UT-32023-A - Differential



Rendered by LeadVenture, Inc.

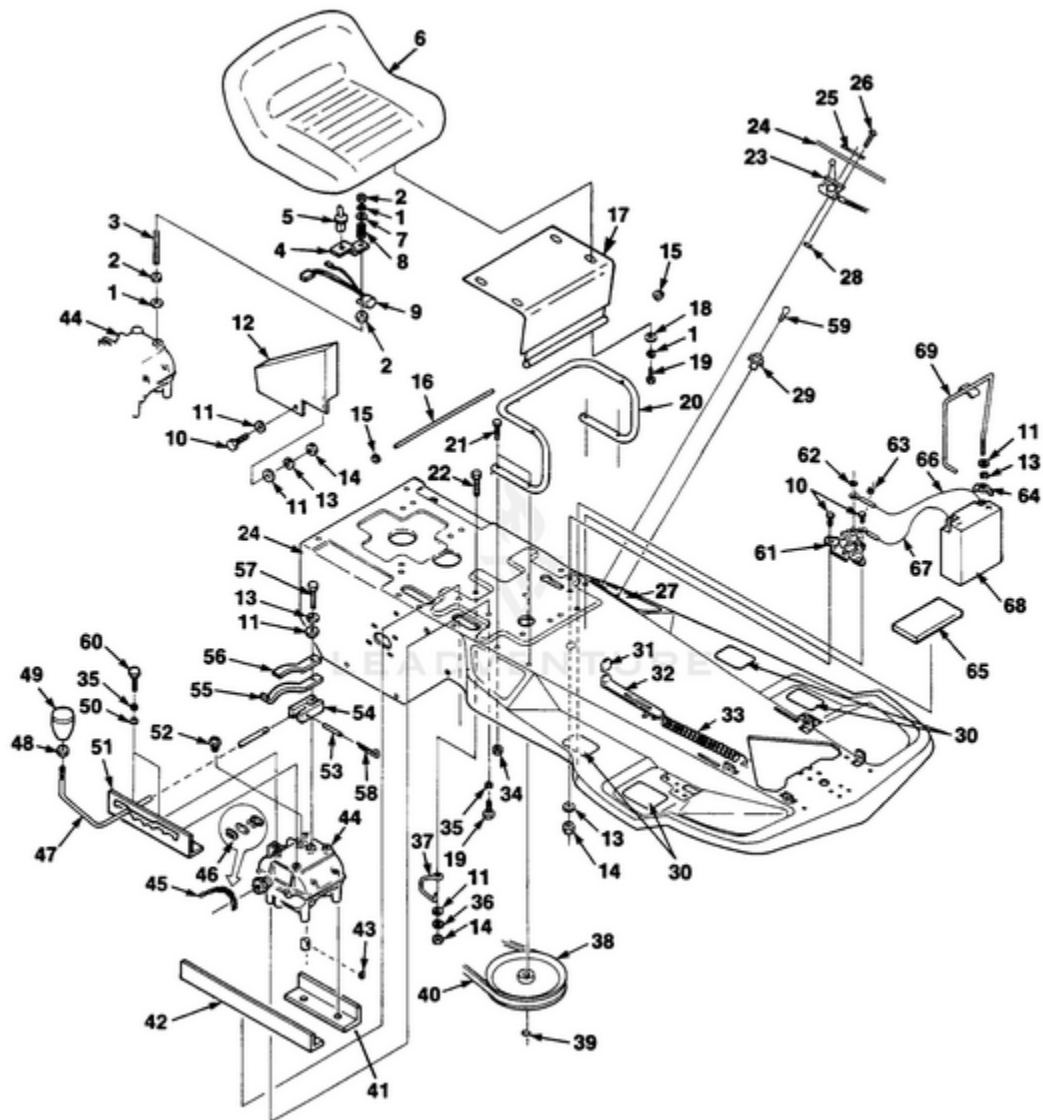
Ref #	Part #	Description	Qty	Context Note
1	JA376090	CAP- Hub		
2	JA458038	RING- Retaining	2	
3	JA313820	SPACER	A/R	
4	JA993804	WHEEL & TIRE	2	
5	JA 443110	NUT- Hex 3/8-16	9	
6	JA446142	WASHER- Lock 3/8"	8	
7	JA453011	WASHER- Plain 3/8"	8	
8	JA992654	BEARING	2	
9	JA400262	USE 80095	7	
10	JA 444762	NUT- Hex centerlock 3/8-16	4	
11	JA990233	SPACER	1	
12	JA990992	SPROCKET	1	
13	JA990234	CAP & BEARING (R.H)	1	
14	JA310611	KEY	2	
15	JA991304	AXLE- R.H. w/gear	1	
16	JA990231	HOUSING & GEAR	1	
17	JA991303	AXLE- L.H. w/gear	1	
18	JA990235	CAP & BEARING (L.H.)	1	
19	JA990241	SCREW- Hex 5/16-18 x 4"	4	
20	JA400272	SCREW- 3/8-16 x 2 1/4"	1	
21	JA991305	NUT- Hex jam	4	

HR830 Riding Mower UT-32023-A - Engine And Drive



Ref #	Part #	Description	Qty	Context Note
1	JA400106	BOLT- Hex centerlock 1/4-20 x .625	10	
2	JA993823	PANEL- Rear	1	
3	JA446130	WASHER- Lock 1/4-20	10	
4	JA443102	NUT- Hex	10	
5	JA400192	SCREW- Hex centerlock 5/16-18 x 1 1/2"	4	
6	JA350929	WASHER- Engine	12	
7	JA444718	NLA(NO LONGER AVAILABLE)	4	
8	JA992989	SPACER	1	
9	JA992638	BELT- Transmission	1	
10	JA994032	ARM- Idler	1	
11	JA446136	WASHER- Lock 5/16"	1	
12	JA994691	NUT- Hex centerlock 5/16-18	1	
13	JA453011	WASHER- Plain 3/8"	3	
14	JA992867	KEY	1	
15	JA992817	PULLEY- Idler	1	
16	JA992788	PULLEY- Traction	1	
17	JA994353	GUIDE- Belt	1	
18	JA446142	WASHER- Lock 1/4"	1	
19	JA 444762	NUT- Hex centerlock 1/4-20 x 1"	1	
20	JA992787	PULLEY- Deck	1	
21	JA993729	DISC- Belt guide	1	
22	JA990128	RETAINER- Clutch	1	
23	JA446148	WASHER- Lock 7/16"	1	
24	JA400378	BOLT- Hex centerlock 7/16-20 x 2"	1	
25	JA993933	PAN- Bottom	1	
26	JA992639	BELT- Mower deck	1	
27	JA357995	TROUGH	1	
28	JA992354	DECAL- Warning	1	

HR830 Riding Mower UT-32023-A - Frame

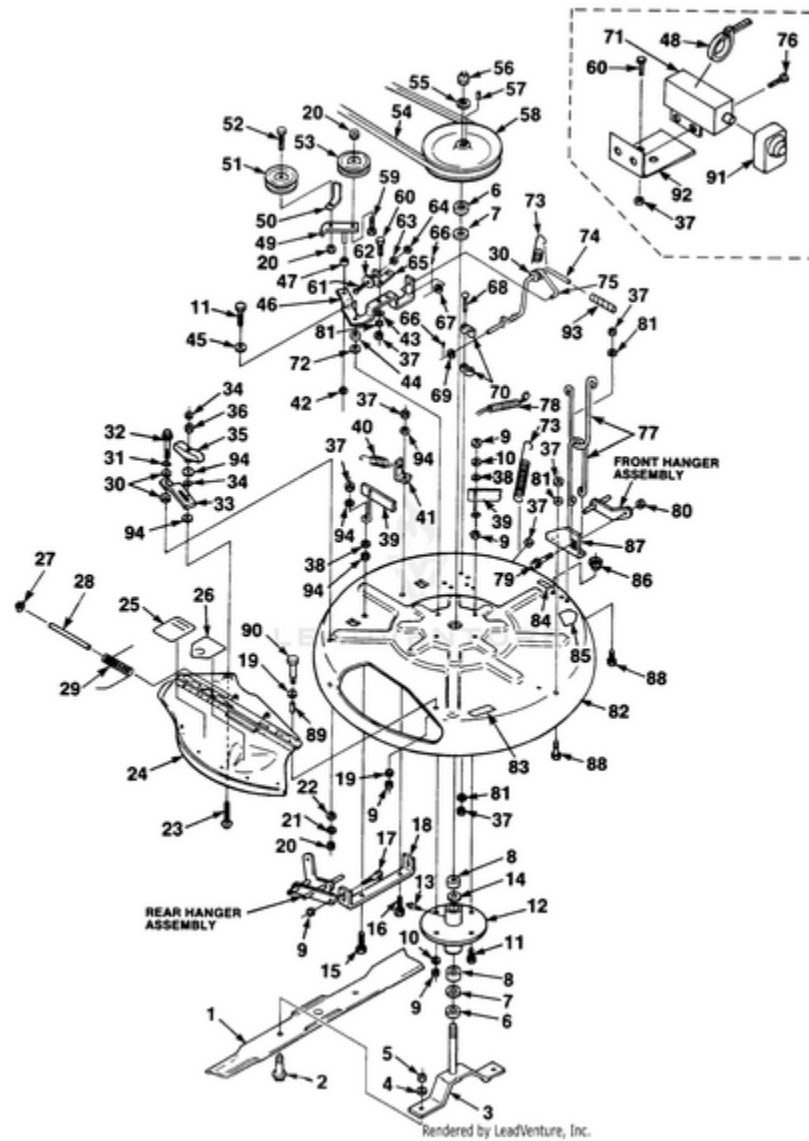


Rendered by LeadVenture, Inc.

Ref #	Part #	Description	Qty	Context Note
1	JA446136	WASHER- Lock 5/16"	4	
2	JA443106	NUT- Hex 5/16-18	3	
3	JA993027	STUD- 5/16-18	1	
4	JA994034	BRACKET- Transmission	1	
5	JA991513	SWITCH- Seat	1	
6	JA124072	SEAT	1	
7	JA992007	RETAINER- Spring	1	
8	JA359266	SPRING- Compression	1	
9	JA991077	MODULE- Safety	1	
10	JA400106	SCREW- Hex centerlock 1/4-20 x 5/8"	2	(HR830)
	JA400106	SCREW- Hex centerlock 1/4-20 x 5/8"	4	(HR830E & HR1230E)
11	JA452004	WASHER- Plain 1/4"	3	(HR830)
	JA452004	WASHER- Plain 1/4"	4	(HR830E & HR1230E)
12	JA992599	GUARD- Chain	1	
13	JA446128	WASHER- Lock 1/4-20	3	(HR830)
	JA446128	WASHER- Lock 1/4-20	4	(HR830E & HR1230E)
14	JA443102	NUT- Hex 1/4-20	3	
15	JA445517	NUT- Pal 5/16"	2	
16	JA994185	ROD- Seat	1	
17	JA994174	BRACKET- Seat	1	
18	JA452006	NLA(NO LONGER AVAILABLE)	4	
19	JA400184	SCREW- Hex hd. 5/16-18 x 3/4"	8	
20	JA994187	SUPPORT- Seat	1	
21	JA400116	SCREW- Hex centerlock 1/4-20 x 1 1/2"	4	
22	JA400110	SCREW- Hex centerlock 1/4-20 x .825	1	
23	JA993431	CONTROL- Throttle	1	
24	JA994428	FRAME	1	
25	JA994296	PLATE- Throttle	1	
26	88049	SCREW- Sems 10-24 x 1/2"	2	
27	JA993806	DECAL- Throttle	1	(HR830)
	JA993807	DECAL- Throttle	1	(HR830E & HR1230E)
28	JA444782	NUT- Hex 10-24	2	
29	JA130666	SWITCH- Ignition	1	(HR830)
	JA130412	SWITCH- Ignition	1	(HR830E & HR1230E)
30	JA339568	PAD- Foot	4	
31	JA375987	KNOB- Tab	1	
32	JA375859	LATCH- Brake	1	
33	JA991442	SPRING- Extension	1	
34	JA444708	NUT- Hex centerlock 1/4-20	4	
35	JA446134	USE UP03407	6	
36	JA446130	WASHER- Lock 1/4"	1	

Ref #	Part #	Description	Qty	Context Note
37	JA992821	GUIDE- Belt	1	
38	JA392593	TRANSMISSION PULLEY	1	
39	JA458009	RING- Retaining	1	
40	JA992638	BELT- Transmission	1	
41	JA993934	ANGLE- Short	1	
42	JA992624	ANGLE- Long	1	
43	JA463017	KEY- Woodruff	1	
44	JA990222	TRANSMISSION	1	
45	JA990739	CHAIN #40	1	
46	JA470503	LINK- Connecting	1	
47	JA994035	LEVER- Gear	1	
48	JA443812	NUT- Hex jam 3/8-24	1	
49	JA991845	KNOB- Shift	1	
50	JA453009	WASHER- Plain 5/16"	2	
51	JA992594	LOCATOR- Gear	1	
52	JA990981	SWITCH- Neutral safety	1	
53	JA461383	PIN- Roll	1	
54	JA991848	BRACKET- Pivot	1	
55	JA991843	LEAF- Spring	1	
56	JA991839	LEAF- Spring	1	
57	JA400148	SCREW- Hex 1/4-20 x 7/8"	1	
58	JA460212	PIN- Cotter	1	
59	JA343060	KEY- Ignition	2	
60	JA408804	SCREW- Taptite 5/16-18 x 3/4"	2	
61	JA995590	SOLENOID	1	(HR830E & HR1230E)
62	JA443802	NUT- 1/4-20	2	(HR830E & HR1230E)
63	JA444306	NUT- 8-32	2	(HR830E & HR1230E)
64	JA445612	NUT- Wing	1	(HR830E & HR1230E)
65	JA991507	PAD- Battery	1	(HR830E & HR1230E)
66	JA992199	CABLE- Battery	1	(HR830E & HR1230E)
67	JA993508	CABLE- Battery ground	1	(HR830E & HR1230E)
68	JA993527	BATTERY	1	(HR830E & HR1230E)
69	JA994014	BRACKET- Battery	1	(HR830E & HR1230E)

HR830 Riding Mower UT-32023-A - Mower

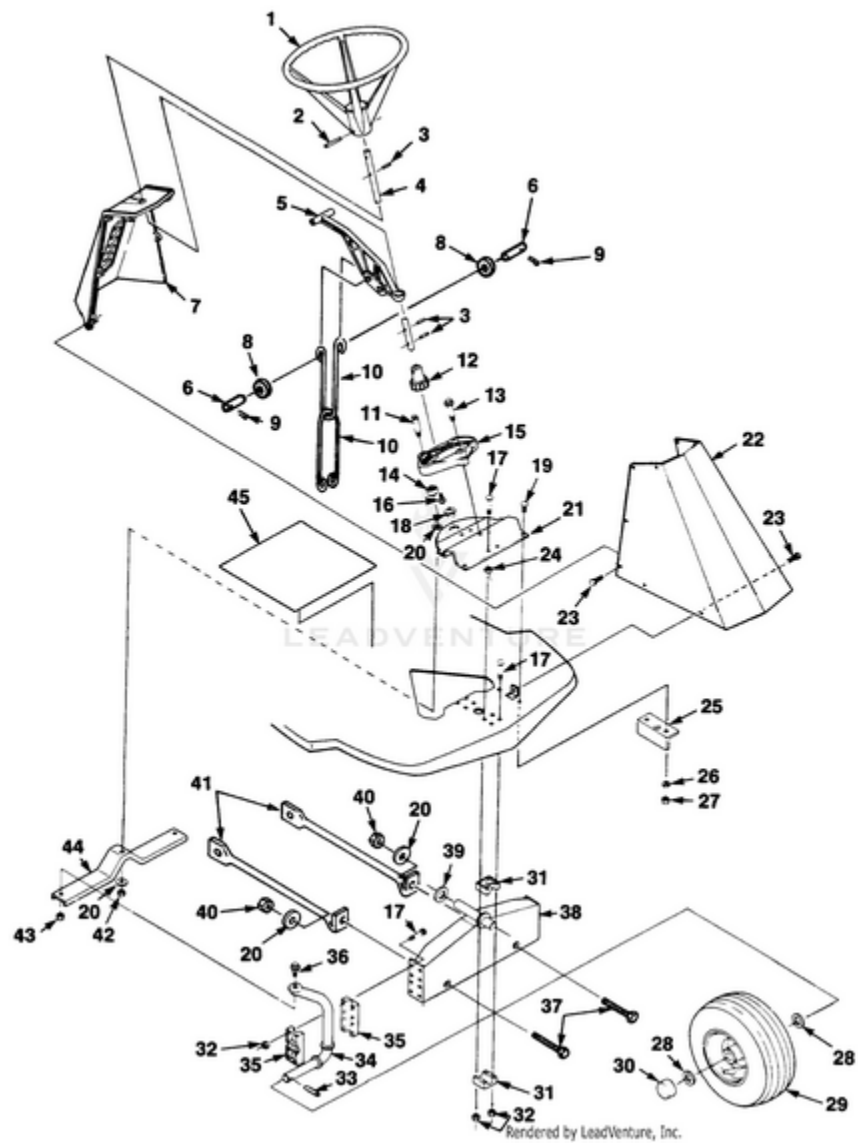


Ref #	Part #	Description	Qty	Context Note
1	JA991659	BLADE- Hi-Lift	1	
2	JA408803	SCREW- Hex centerlock 1/2-13 x 1 1/4"	2	
3	JA994045	SPINDLE & ADAPTOR	1	
4	JA446154	WASHER- Lock 1/2"	2	
5	JA 444758	NUT- Hex centerlock 1/2-13	2	
6	JA991497	SPACER	2	
7	JA455055	WASHER- Flat	2	
8	JA375882	BEARING	2	
9	JA444718	NLA(NO LONGER AVAILABLE)	9	
10	JA446136	WASHER- Lock 5/16"	4	
11	JA400192	SCREW- Hex centerlock 5/16-18 x 1 1/2"	4	
12	JA994046	SPINDLE HOUSING	1	
13	JA471238	FITTING- Lubrication	1	
14	JA992887	SPACER- Bearing	1	
15	JA400114	SCREW- Hex centerlock 1/4-20 x 1 1/4"	1	
16	JA400110	SCREW- Hex centerlock 1/4-20 x .875	1	
17	JA354480	BOLT- Shoulder 5/16-18	2	
18	JA990508	BRACKET- Rear lift	1	
19	JA453009	WASHER- Plain 5/16"	2	
20	JA 444762	NUT- Hex centerlock 3/8-16	3	
21	JA446140	USE UP07435	1	
22	JA 452008	WASHER- Plain 3/8"	1	
23	JA441668	BOLT- Carriage 1/4-20 x 1 1/4"	1	
24	JA993818	PLATE & COVER	1	
25	JA991217	DECAL- Door	1	
26	JA339460	DECAL-CPSC	1	
27	JA445516	NUT- Pal	2	
28	JA991703	ROD- Deck hinge	1	
29	JA991701	SPRING- Torsion	1	
30	JA453017	NLA(NO LONGER AVAILABLE)	3	
31	JA454020	WASHER- Spring	1	
32	JA376094	BOLT- Shoulder	1	
33	JA991519	ARM- Pivot	1	
34	JA445272	WASHER- Speed	2	
35	JA339550	KNOB- Handle	1	
36	JA445784	NUT- Hex 1/4-20	1	
37	JA444708	NUT- Hex centerlock 1/4-20	14	
38	JA452006	NLA(NO LONGER AVAILABLE)	3	
39	JA994293	GUIDE- Belt	1	
40	JA994167	SPRING- Extension	1	
41	JA991806	BRACKET- Damper	1	

Ref #	Part #	Description	Qty	Context	Note
42	JA458036	RING- Retainer	1		
43	JA453023	WASHER- Plain	2		
44	JA991504	SPACER	1		
45	JA350929	WASHER- Engine	1		
46	JA994647	BRAKE/CLUTCH- Lever	1		
47	JA994085	BUSHING	1		
48	JA473171	STA-STRAP	1		
49	JA994294	IDLER- Pivot	1		
50	JA994353	GUIDE- Belt	1		
51	JA993782	PULLEY- Idler	1		
52	JA400268	SCREW- Hex centerlock 3/8-16 x 1 3/4"	1		
53	JA336222	PULLEY- Idler	1		
54	JA992639	BELT- Mower Deck	1		
55	JA453022	WASHER	1		
56	JA445783	NUT- Hex lock	1		
57	JA321292	KEY	1		
58	JA330023	PULLEY- Spindle	1		
59	JA440124	BOLT- Carriage 3/8-16 x 1 3/4"	1		
60	JA400108	USE 80052	5		
61	JA403910	SCREW- Truss hd. 10-24 x 1/2"	1		
62	JA354175	PAD- Brake	1		
63	JA452002	WASHER- Plain #10	2		
64	JA444782	NUT- Hex centerlock #10-24	1		
65	JA993716	BRACKET- Brake pad	1		
66	JA460028	PIN- Cotter	2		
67	JA453011	WASHER- Plain 3/8"	1		
68	JA440050	BOLT- Carriage 1/4-20 x 1 1/2"	4		
69	JA312746	WASHER- Plain	1		
70	JA992798	BEARING	4		
71	JA994223	SWITCH- Deck	1		
72	JA453032	WASHER- Plain	1		
73	JA993364	SPRING- Extension	1		
74	JA994693	LEVER- P.T.O.	1		
75	JA994043	ROD- Link	1		
76	JA416908	SCREW- Taptite	2		
77	JA990219	LINK- Lift	2		
78	JA992119	COVER- Cable	1		
79	JA992138	BOLT- Shoulder 3/8-16	1		
80	JA444850	NUT- 3/8-16	1		
81	JA446130	WASHER- Lock 1/4"	8		
82	JA991572	DECK- 30"	1		

Ref #	Part #	Description	Qty	Context	Note
83	JA994328	DECAL- Warning	1		
84	JA339566	DECAL- No step	1		
85	JA339460	DECAL-CPSC	1		
86	JA375977	PLUG- Washout	1		
87	JA994295	BRACKET- Front lift	1		
88	JA400106	SCREW- Hex centerlock 1/4-20 x 5/8"	2		
89	JA991744	SPACER	1		
90	JA 400182	SCREW- Hex center lock 5/16-18 x 5/8"	1		
91	JA994224	SWITCH- Boot	1		
92	JA994758	BRACKET- Deck switch	1		
93	JA993191	COVER- Lift handle	1		
94	JA452004	WASHER- Plain 1/4"	7		

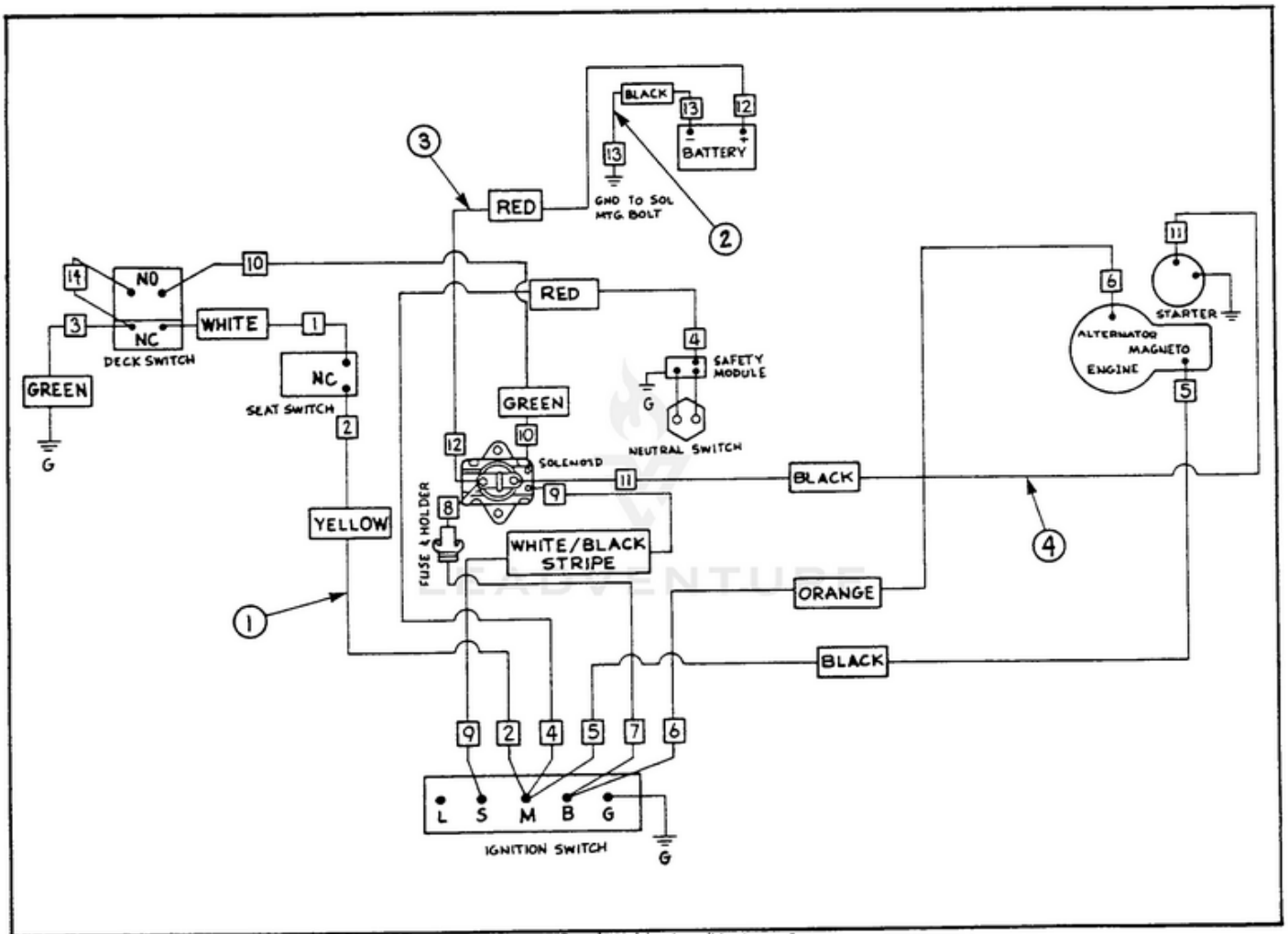
HR830 Riding Mower UT-32023-A - Steering And Mower Lift



Ref #	Part #	Description	Qty	Context Note
1	JA336146	STEERING WHEEL	1	
2	JA461393	PIN- Roll	1	
3	JA461346	PIN	3	
4	JA994286	SHAFT- Steering	1	
5	JA330001	HANDLE- Lift	1	
6	JA990429	PIN- Retainer	1	
7	JA991501	PANEL- Console	1	
8	JA453017	NLA(NO LONGER AVAILABLE)	2	
9	JA460026	PIN- Cotter	2	
10	JA990219	LINK- Lift	2	
11	JA375867	STUD- Steering	1	
12	JA339488	PINION- Steering	1	
13	JA992138	BOLT- Axle	1	(Incl. #24)
14	JA375835	BUSHING- Ball	1	
15	JA229622	SECTION- Steering	1	
16	JA409907	SCREW- 1/4-20 x 1/2"	1	
17	JA440052	BOLT- Rd. hd. sq. 1/4-20 x 1 3/4"	16	
18	JA354130	BUSHING	1	
19	JA441606	BOLT- 1/4-20 x 3/4"	4	
20	JA453011	WASHER- Plain 3/8"	4	
21	JA994619	BRACKET- Reinforcement	1	
22	JA993912	SUPPORT- Steering	1	
23	JA375978	SCREW- Hex washer 1/4-14	12	
24	JA444850	NUT- Hex 3/8-16	1	
25	JA994618	BRACKET- Axle	2	
26	JA446130	WASHER- Lock 1/4"	8	
27	JA443102	NUT- Hex 1/4-20	8	
28	JA302458	WASHER	6	
29	JA120446	TIRE & HUB	2	
30	JA348877	CAP- Hub	2	
31	JA339462	BEARING- Front axle	4	
32	JA444708	NUT- Hex centerlock 1/4-20	16	
33	JA461418	PIN- Roll	2	
34	JA994257	SPINDLE- Wheel R.H.	1	
	JA994256	SPINDLE- Wheel L.H.	1	
35	JA339465	BEARING- Spindle	4	
36	JA354480	BRACKET- Axle	2	
37	JA400256	SCREW- Hex hd. 3/8-15 x.625	2	
38	JA993783	FRONT AXLE	1	
39	JA453022	WASHER	2	
40	JA 444762	NUT- Hex center lock 3/8-16	2	

Ref #	Part #	Description	Qty	Context	Note
41	JA990507	SUPPORT- Front axle	2		
42	JA445776	NUT- Lock 3/8-24	1		
43	JA444718	NLA(NO LONGER AVAILABLE)	2		
44	JA994621	BRACKET- Steering	1		
45	JA994455	DECAL- Instruction	1		

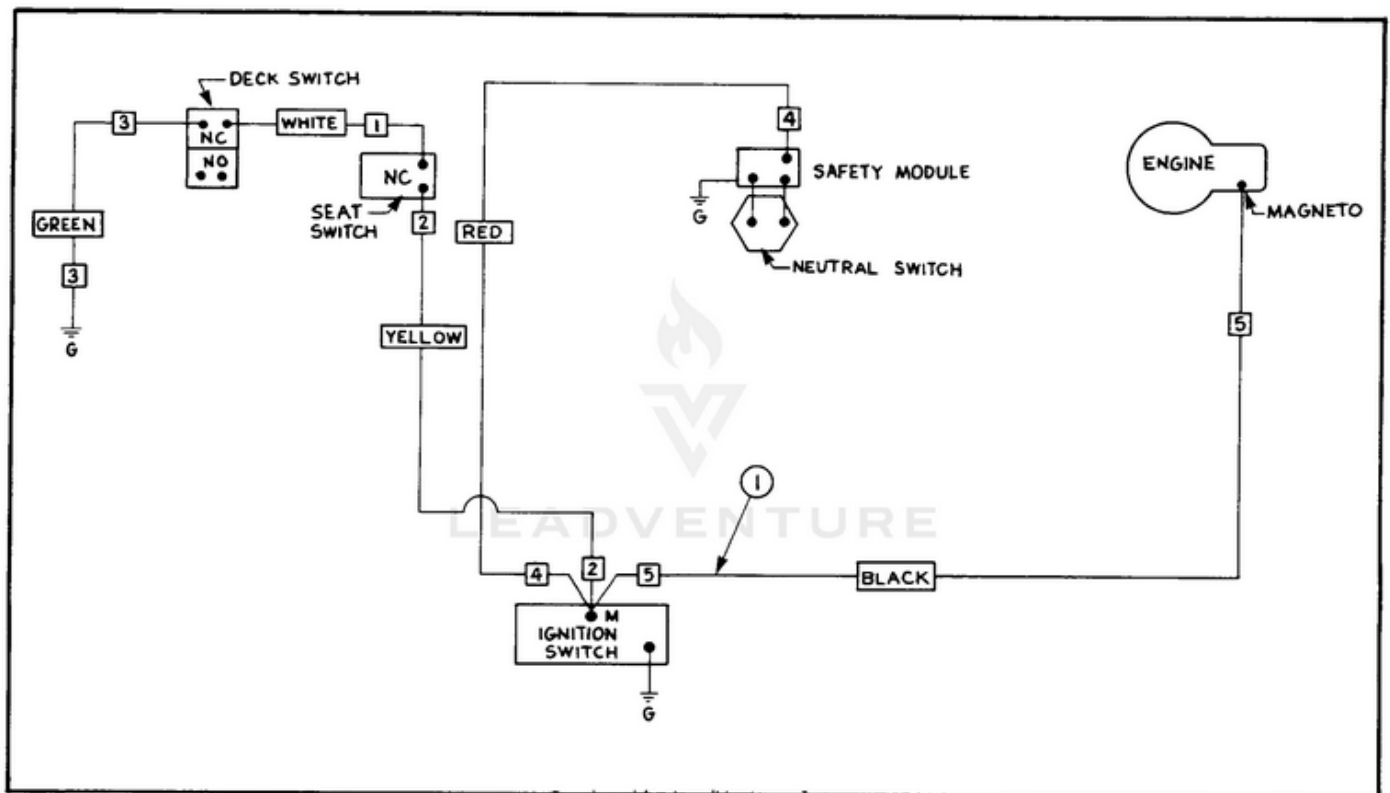
HR830 Riding Mower UT-32023-A 3 - Wiring Diagram Electrical Start



Rendered by LeadVenture, Inc.

Ref #	Part #	Description	Qty	Context	Note
1	JA994226	WIRE HARNESS	1		
2	JA993508	BATTERY CABLE- Ground	1		
3	JA992199	BATTERY CABLE	1		
4	JA992201	STARTER CABLE	1		

HR830 Riding Mower UT-32023-A - Wiring Diagram Manual Start



Rendered by Leadventure, Inc.

Ref #	Part #	Description	Qty	Context	Note
1	JA994225	WIRE HARNESS	1		