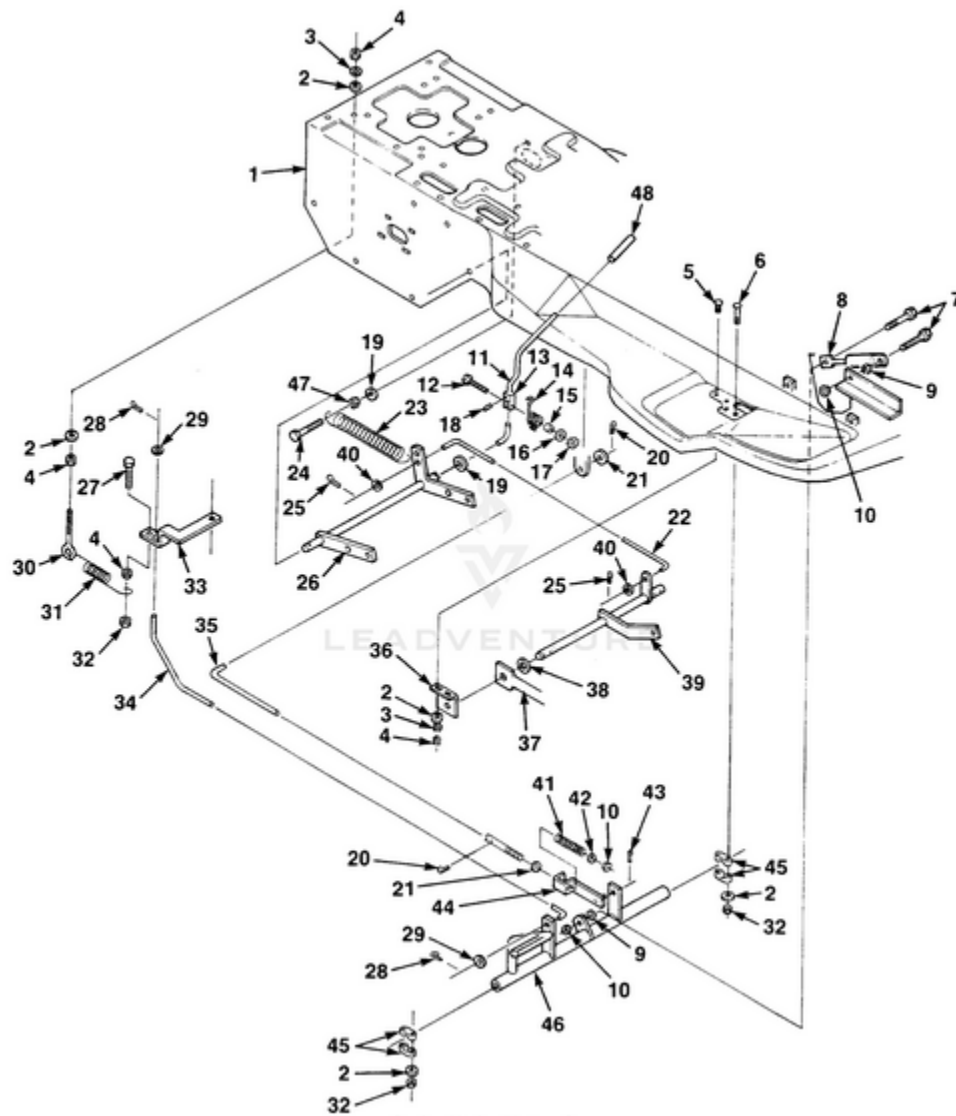


HR830 Riding Mower UT-32023 - Clutch and Brake

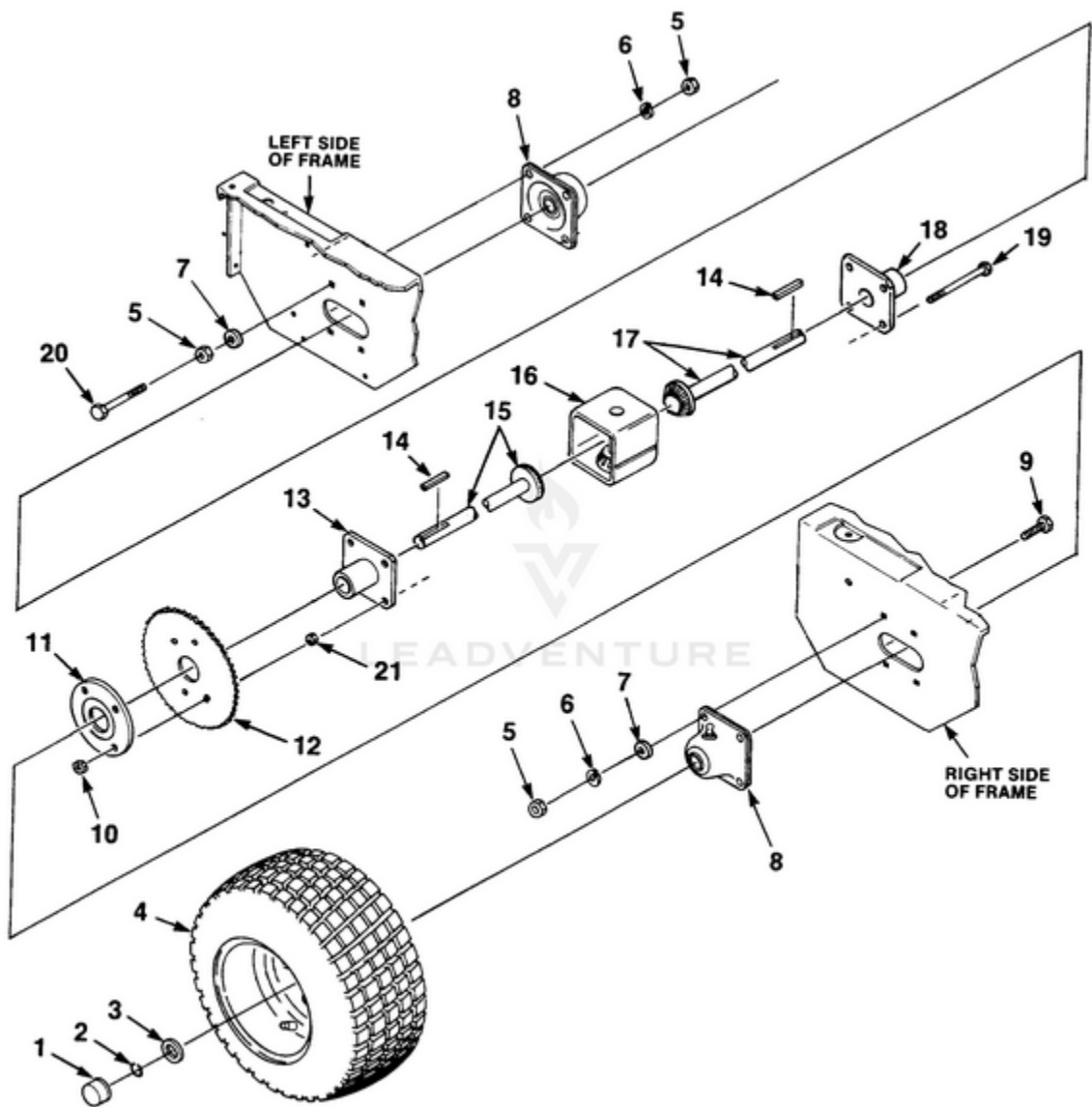


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Ref #	Part #	Description	Qty	Context Note
1	JA994038	FRAME	1	
2	JA452004	WASHER- Flat 1/4"	10	
3	JA446130	WASHER- Lock 1/4"	6	
4	JA443102	NUT- Hex 1/4-20	7	
5	JA441664	BOLT- Rd. Hd. Sq. Nk. 1/4-20 x .625	4	
6	JA440050	BOLT- Rd. Hd. Sq. Nk. 1/4-20 x 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)	3	
11	JA992626	HANDLE- Lift	1	
12	88057	SCREW- Sems 10-24 x 2"	1	
13	JA992621	BRACKET- Pivot	1	
14	JA993017	SPRING- Torsion	1	
15	JA993016	SPACER	1	
16	JA455024	WASHER- Plain #10	1	
17	JA444782	NUT- Hex lock 10-24	1	
18	JA461523	PIN- Dowel 1/4 x 1"	1	
19	JA453011	WASHER- Flat	1	
20	JA460016	PIN- Cotter 3/32 x 1"	2	
21	JA453009	WASHER- Flat 5/16"	3	
22	JA994042	ROD- Lift	1	
23	JA376088	SPRING	1	
24	JA400272	SCREW- Hex cap 3/8-16 x 2 1/4	1	
25	JA460212	PIN- Cotter 7/64 x 1"	8	
26	JA992664	HANGER- Rear	1	
27	JA400112	SCREW- Hex centerlock 1/4-20 x 1"	1	
28	JA460026	PIN- Cotter .125 x .75	2	
29	JA452006	NLA(NO LONGER AVAILABLE)	2	
30	JA354532	EYEBOLT- 1/4-20	1	
31	JA992818	SPRING- Extension	1	
32	JA444708	NUT- Hex centerlock 1/4-20	5	
33	JA994032	ARM- Idler	1	
34	JA992774	ROD- Clutch	1	
35	JA993943	ROD- Brake	1	
36	JA375815	BRACKET	2	
37	JA990507	AXLE SUPPORT	2	
38	JA453017	NLA(NO LONGER AVAILABLE)	1	
39	JA992891	HANGER- Front	1	
40	JA 452008	WASHER- Plain	2	
41	JA376102	SPRING- Compression	1	

Ref #	Part #	Description	Qty	Context	Note
42	JA453009	WASHER- Flat	3		
43	JA460008	PIN- Cotter 5/64 x .75	1		
44	JA181969	BRACKET- Brake spring	1		
45	JA339461	BEARING	4		
46	JA992689	CLUTCH/BRAKE	1		
47	JA 444762	NUT- Centerlock 3/8-16	2		
48	JA993191	COVER- Lift handle	1		

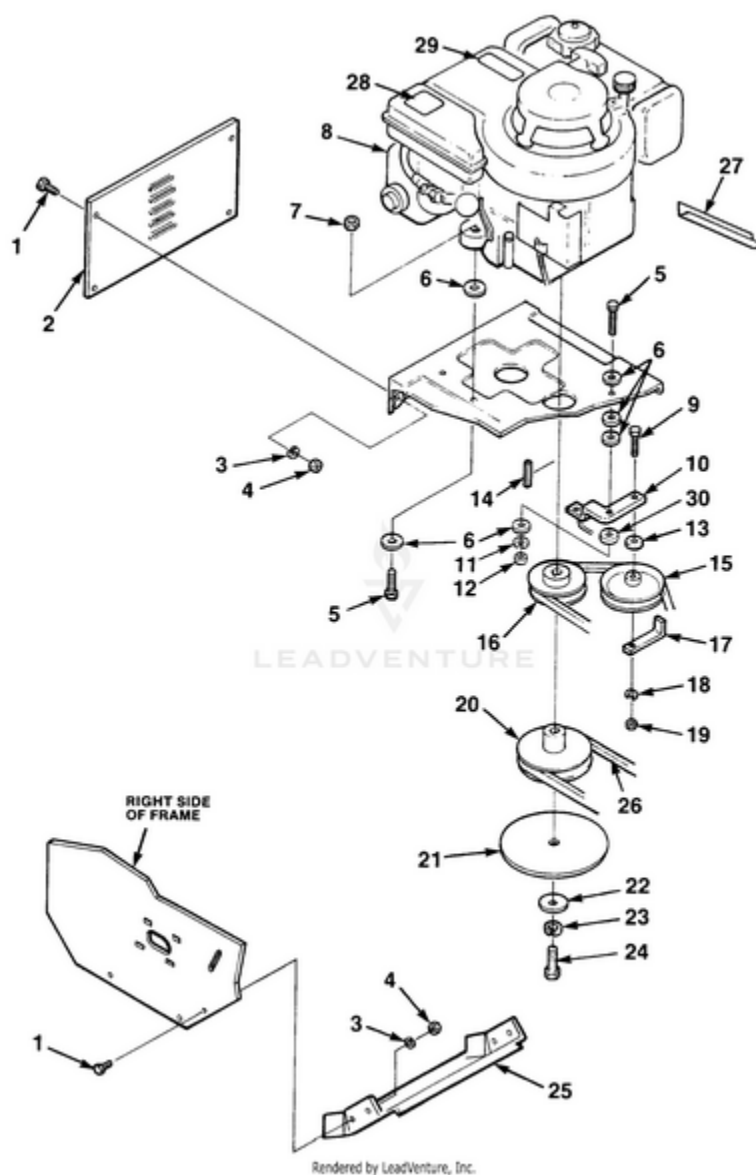
HR830 Riding Mower UT-32023 - Differential



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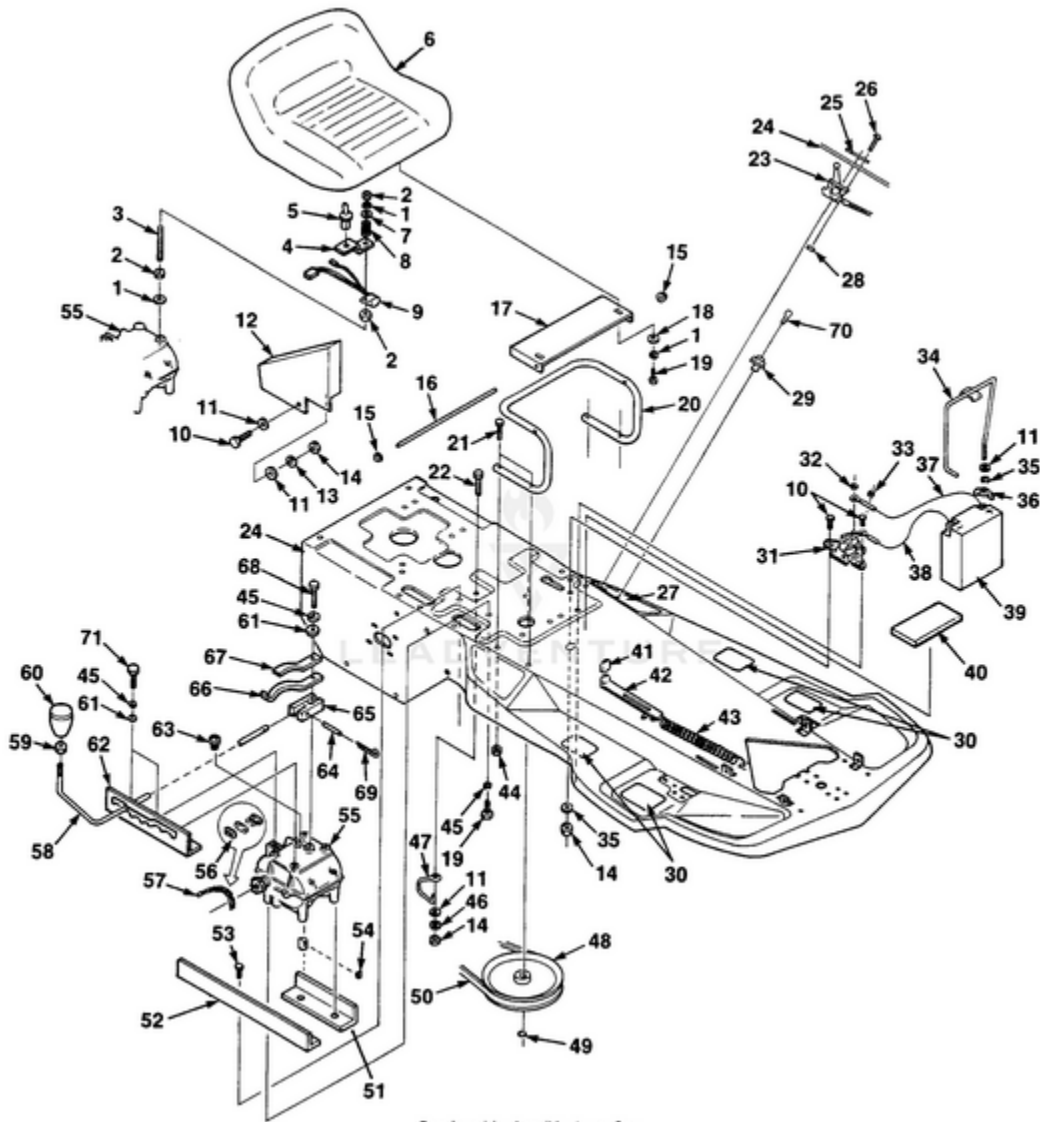
Ref #	Part #	Description	Qty	Context Note
1	JA376090	CAP- Hub	2	
2	JA458038	RING- Retaining	2	
3	JA313820	SPACER	A/R	
4	JA993804	WHEEL & TIRE	2	
5	JA 443110	NUT- Hex 3/8-16	9	
6	JA446142	WASHER- Lock 3/8	8	
7	JA453011	WASHER- Plain 3/8	8	
8	JA992654	BEARING	2	
9	JA400262	USE 80095	1	
10	JA 444762	NUT- 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	4	
21	JA991305	NUT- Hex jam	4	

HR830 Riding Mower UT-32023 - 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"	1	
4	JA443102	NUT- Hex 1/4-20	11	
5	JA400192	SCREW- Hex centerlock 5/16-18 x 1 1/2"	12	
6	JA350929	WASHER- Engine	6	
7	JA444718	NLA(NO LONGER AVAILABLE)	4	
8	JA993577	ENGINE- 8 H.P.	1	(HR830E)
	JA993576	ENGINE- 8 H.P.	1	(HR830)
9	JA400272	SCREW- Hex centerlock 3/8-16 x 2 1/4"	1	
10	JA994032	ARM- Idler	1	
11	JA446136	WASHER- Lock 5/16"	1	
12	JA444718	NLA(NO LONGER AVAILABLE)	1	
13	JA453011	WASHER- Plain 3/8"	1	
14	JA992867	KEY	1	
15	JA992817	PULLEY- Idler	1	
16	JA992788	PULLEY- Traction	1	
17	JA311881	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	1	
23	JA446148	WASHER- Lock 7/16"	1	
24	JA400378	BOLT- Hex centerlock	1	
25	JA993933	PAN- Bottom	1	
26	JA992638	BELT- Traction	1	
27	JA357995	TROUGH	1	
28	JA992354	DECAL- Warning	1	
29	00305	DECAL- Warning	1	
30	JA992989	SPACER	1	

HR830 Riding Mower UT-32023 - Frame

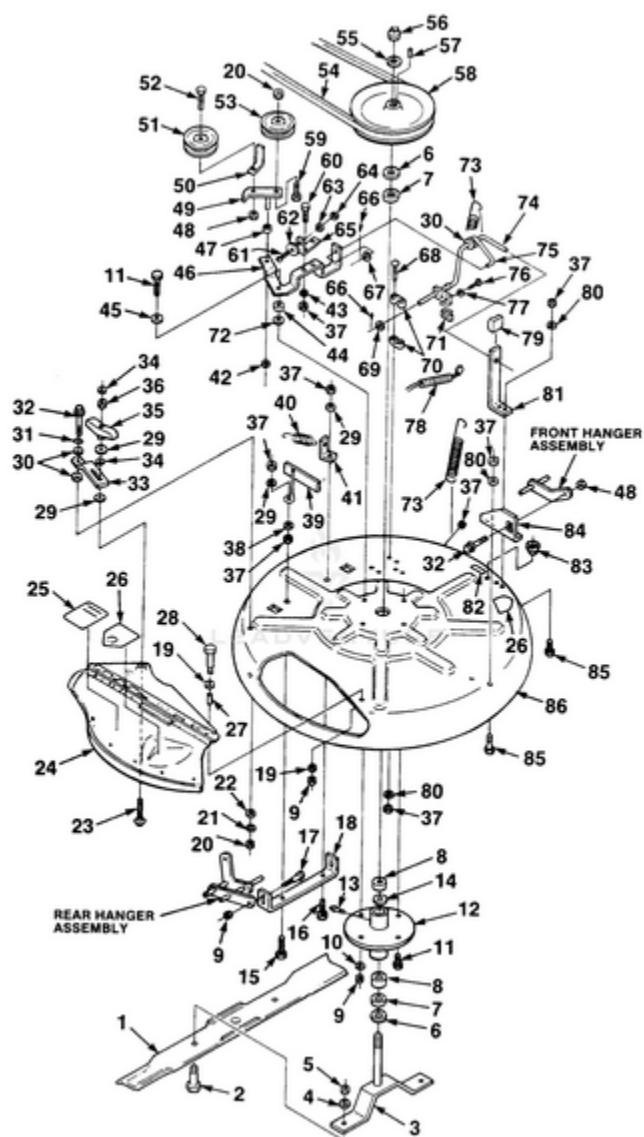


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Ref #	Part #	Description	Qty	Context Note
1	JA446136	WASHER- Lock 5/16	2	
2	JA443106	NUT- Hex 5/16-18	3	
3	JA993027	STUD- 5/16-18	1	
4	JA994034	BRACKET- Transmission	1	
5	JA991513	SWITCH- Seat	1	
6	JA124072	SEAT	1	
7	JA992007	RETAINER- Spring	1	
8	JA359266	SPRING- Compression	1	
9	JA991077	MODULE- Safety	1	
10	JA400106	SCREW- Hex centerlock 1/4-20 x.625	2	(HR830E)
11	JA452004	WASHER- Plain 1/4"	1	
12	JA992599	GUARD- Chain	1	
13	JA446129	WASHER- Lock 1/4-20 x.625	1	
14	JA443102	NUT- Hex 1/4-20	3	(HR830E)
15	JA445517	NUT- Pal	2	
16	JA992676	ROD- Seat	1	
17	JA993726	BRACKET- Seat	1	
18	JA452006	NLA(NO LONGER AVAILABLE)	2	
19	JA400184	SCREW- Hex 5/16-18 x.750	2	
20	JA992597	SUPPORT- Seat	1	
21	JA400116	SCREW- Hex centerlock 1/4-20 x 1.5	4	
22	JA400110	SCREW- Hex centerlock 1/4-20 x .825	1	
23	JA993431	CONTROL- Throttle	1	
24	JA994038	FRAME	1	
25	JA993801	PLATE- Throttle	1	
26	88049	SCREW- Rd. hd. 10-24 x 1/2	2	
27	JA993806	DECAL- Throttle	1	(HR830)
	JA993807	DECAL- Throttle	1	(HR830E)
28	JA444782	NUT- Hex 10-24	2	
29	JA130666	SWITCH- Ignition	1	(HR830)
	JA130412	SWITCH- Ignition	1	(HR830E)
30	JA339568	PAD- Foot	4	
31	JA995590	SOLENOID	1	(HR830E)
32	JA443802	NUT- 1/4-20	2	(HR830E)
33	JA444306	NUT- Hex 8-32	2	(HR830E)
34	JA993516	BRACKET- Battery	1	(HR830E)
35	JA446128	WASHER- Lock 1/4	3	(HR830E)
36	JA445612	NUT- Wing 1/4-20	1	
37	JA992199	CABLE- Battery	1	(HR830E)
38	JA993508	CABLE- Battery ground	1	(HR830E)
39	JA993527	BATTERY	1	(HR830E)

Ref #	Part #	Description	Qty	Context	Note
40	JA991507	PAD- Battery	1		
41	JA375987	KNOB- Tab	1		
42	JA375859	LATCH- Brake	1		
43	JA991442	SPRING- Extension	1		
44	JA444708	NUT- Hex centerlock 1/4-20	4		
45	JA446134	USE UP03407	6		
46	JA446130	WASHER- Lock 1/4	1		
47	JA992821	BELT- Guide	1		
48	JA392593	TRANSMISSION PULLEY	1		
49	JA458009	RING- Snap	1		
50	JA992638	BELT- Transmission	1		
51	JA993934	ANGLE- Short	1		
52	JA992624	ANGLE- Long	1		
53	JA400108	USE 80052	2		
54	JA463017	KEY- Woodruff	1		
55	JA990222	TRANSMISSION	1		
56	JA470503	LINK- Connecting	1		
57	JA990739	CHAIN #40	1		
58	JA994035	LEVER- Gear	1		
59	JA443812	NUT- Hex jam 3/8-24	1		
60	JA991845	KNOB- Shift	1		
61	JA453009	WASHER- Plain 5/16	2		
62	JA992594	LOCATOR- Gear	1		
63	JA990981	SWITCH- Neutral safety	1		
64	JA461383	PIN- Roll	1		
65	JA991848	BRACKET- Pivot	1		
66	JA991843	LEAF- Spring	1		
67	JA991839	LEAF- Spring	1		
68	JA400148	SCREW- Hex 1/4-20 x.875	1		
69	JA460221	PIN- Cotter	1		
70	JA343060	KEY- Ignition	1		
71	JA408804	SCREW- Taptite	2		

HR830 Riding Mower UT-32023 - Mower

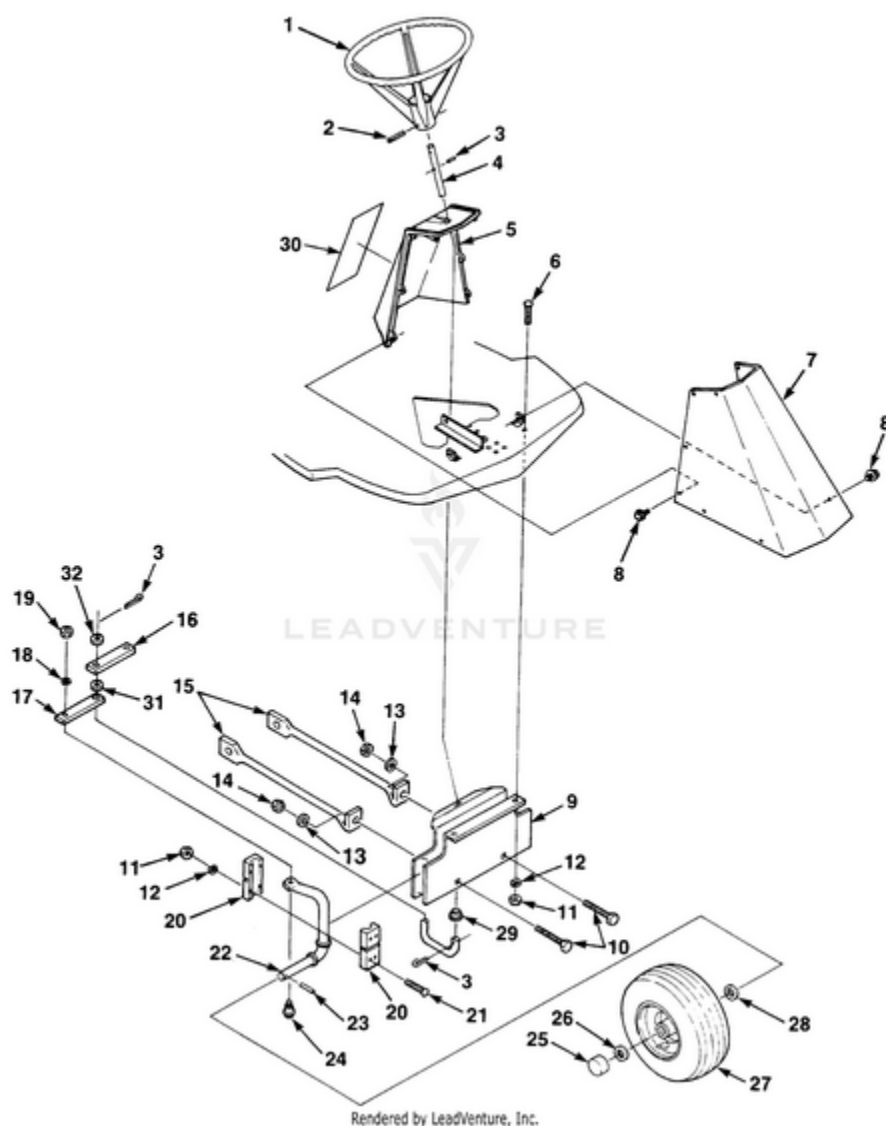


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Ref #	Part #	Description	Qty	Context	Note
1	JA991659	BLADE- Hi- Lift	1		
2	JA408803	SCREW- Hex centerlock 1/2-13 x 1.25	2		
3	JA994045	SPINDLE & ADAPTOR	1		
4	JA446154	WASHER- Lock 1/2	2		
5	JA 444758	NUT- Hex centerlock 1/2-13	2		
6	JA991497	SPACER	2		
7	JA455055	WASHER- Flat	2		
8	JA375882	BEARING	2		
9	JA444718	NLA(NO LONGER AVAILABLE)	7		
10	JA446136	WASHER- Lock 5/16"	4		
11	JA400192	SCREW- Hex centerlock 5/16-18 x 1.5	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 1.250	1		
16	JA400110	SCREW- Hex centerlock 1/4-20 x.875	1		
17	JA354480	BOLT- Shoulder 5/16-1 8	2		
18	JA990508	BRACKET- Rear lift	1		
19	JA453009	WASHER- Plain 5/16"	2		
20	JA 444762	NUT- Hex centerlock 3/8-16	2		
21	JA446140	USE UP07435	1		
22	JA 452008	WASHER- Plain 3/8"	1		
23	JA441668	BOLT-Carriage 1/4-20 x 1.25	1		
24	JA993818	PLATE & COVER	1		
25	JA991217	DECAL- Door	1		
26	JA339460	DECAL-CPSC	1		
27	JA991744	SPACER	1		
28	JA 400182	SCREW- Hex centerlock 5/16-18 x .625	1		
29	JA4452004	WASHER- Plain 1/4"	1		
30	JA455049	WASHER- Plain	2		
31	JA454020	WASHER- Spring	1		
32	JA376094	BOLT- Shoulder 3/8-16 x 1.12	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	12		
38	JA452006	NLA(NO LONGER AVAILABLE)	4		
39	JA993499	BELT GUIDE	1		
40	JA375025	SPRING- Extension	1		
41	JA991806	BRACKET- Damper	1		

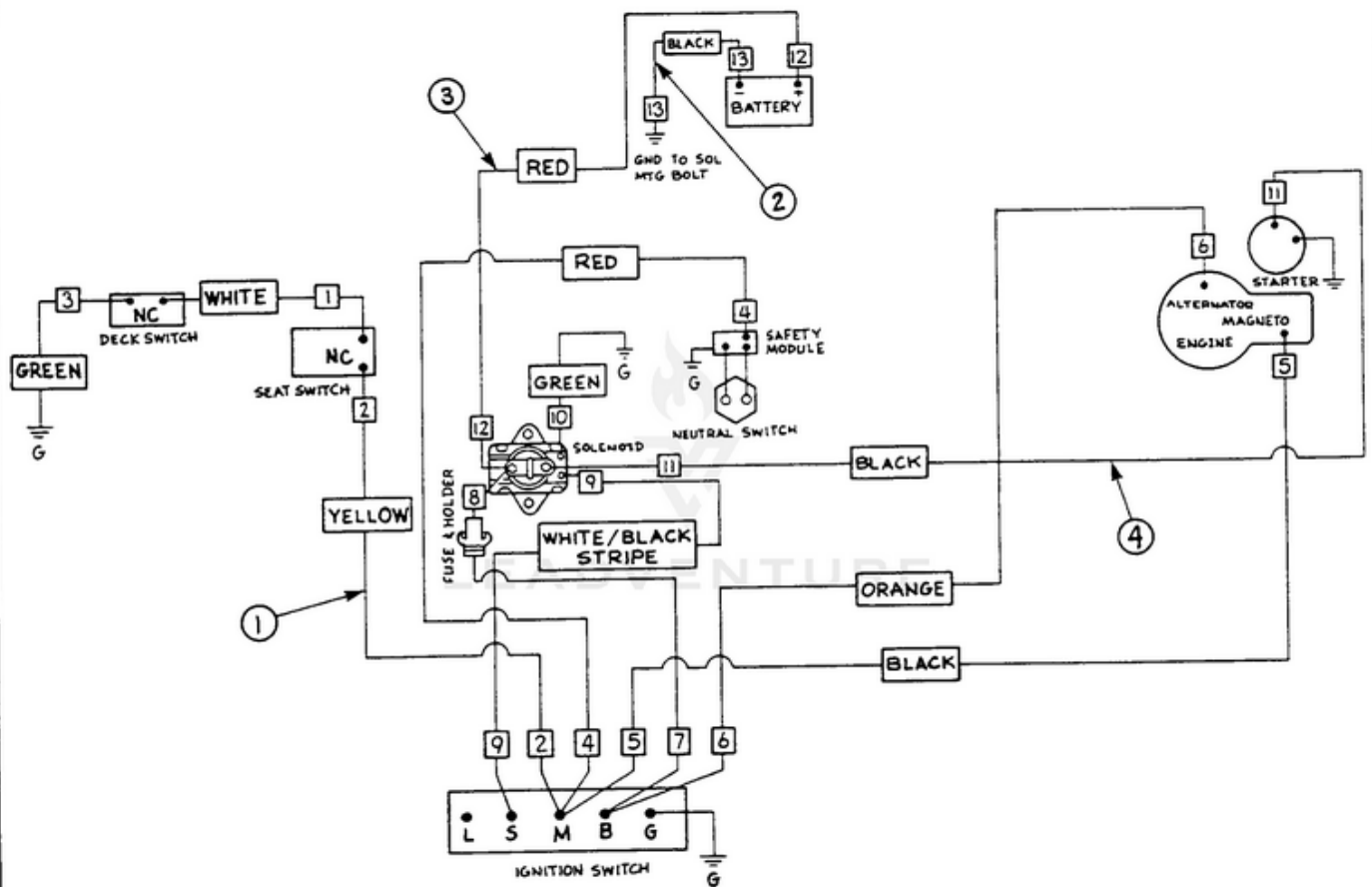
Ref #	Part #	Description	Qty	Context	Note
42	JA458036	RING- Retainer	1		
43	JA453023	WASHER- Plain 1/4"	3		
44	JA991504	SPACER	1		
45	JA350929	WASHER- Engine	1		
46	JA992657	BRAKE/CLUTCH LEVER	1		
47	JA348883	BUSHING	1		
48	JA 444762	NUT- Hex centerlock 3/8-16	1		
49	JA991220	IDLER- Pivot	1		
50	JA311881	GUIDE- Belt	1		
51	JA993782	PULLEY- Idler	1		
52	JA400268	SCREW- Hex centerlock 3/8-16 x 1.75	1		
53	JA336222	PULLEY- Idler	1		
54	JA992639	MOWER BELT	1		
55	JA453022	WASHER	2		
56	JA445783	NUT- Hex lock	1		
57	JA321292	KEY- 3/16 x 1	1		
58	JA330023	PULLEY	1		
59	JA440124	BOLT- Carriage 3/8-16 x 1.75	1		
60	JA400108	USE 80052	3		
61	JA403910	SCREW- Truss hd. 10-24 x 5"	1		
62	JA354175	PAD- Brake	1		
63	JA452002	WASHER- Plain #10	1		
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	JA994007	SWITCH- Deck	1		
72	JA453032	WASHER- Plain 1/2"	1		
73	JA993364	SPRING- Extension	1		
74	JA992823	LEVER- P.T.O.	1		
75	JA994043	ROD- Link	1		
76	JA375508	SCREW- Hex slotted #10-16 x.75	2		
77	JA446118	WASHER- Lock #10	2		
78	JA992119	COVER- Cable	1		
79	JA336623	KNOB	1		
80	JA446130	WASHER- Lock 1/4	6		
81	JA992894	BRACKET- Brake	1		
82	JA339566	DECAL- No-Step	1		

Ref #	Part #	Description	Qty	Context	Note
83	JA375977	FITTING- Washout	1		
84	JA339492	BRACKET- Front lift	1		
85	JA400106	SCREW- Hex centerlock 1/4-20 x.625	9		
86	JA991572	DECK	1		



Ref #	Part #	Description	Qty	Context	Note
1	JA336146	STEERING WHEEL	1		
2	JA461393	PIN- Roll	1		
3	JA460028	PIN- Cotter	3		
4	JA994044	SHAFT- Steering	1		
5	JA993182	PANEL- Console	1		
6	JA441664	BOLT- Rd. Hd. Sq. 1/4-20 x .625	4		
7	JA993912	SUPPORT- Steer	1		
8	JA375978	SCREW- Hex washer	8		
9	JA992668	FRONT AXLE	1		
10	JA400258	USE 80171	2		
11	JA444708	NUT- Hex centerlock 1/4-20	12		
12	JA452004	WASHER- Plain 1/4"	12		
13	JA453011	WASHER- Plain 3/8"	2		
14	JA 444762	NUT- Hex head centerlock 3/8-16	2		
15	JA990507	SUPPORT-Axle	2		
16	JA994037	LINK- Steer (R.H.)	1		
17	JA994036	LINK- Steer (L.H.)	1		
18	JA452006	NLA(NO LONGER AVAILABLE)	2		
19	JA444718	NLA(NO LONGER AVAILABLE)	2		
20	JA339465	BEARING- Spindle	4		
21	JA440052	BOLT- Rd. Hd. sq. 1/4-20 x 1.750	8		
22	JA995440	SPINDLE- Wheel	1		
	JA995450	SPINDLE- Wheel	1		
23	JA461418	PIN- Roll 5/32 x 1.25	2		
24	JA354480	BOLT- Shoulder	2		
25	JA348877	CAP-Hub	2		
26	JA455055	WASHER	2		
27	JA120446	TIRE & HUB	2		
28	JA302458	WASHER	4		
29	JA354130	BUSHING	1		
30	JA992949	DECAL- Instruction	1		
31	JA455049	WASHER	1		
32	JA453020	WASHER	1		

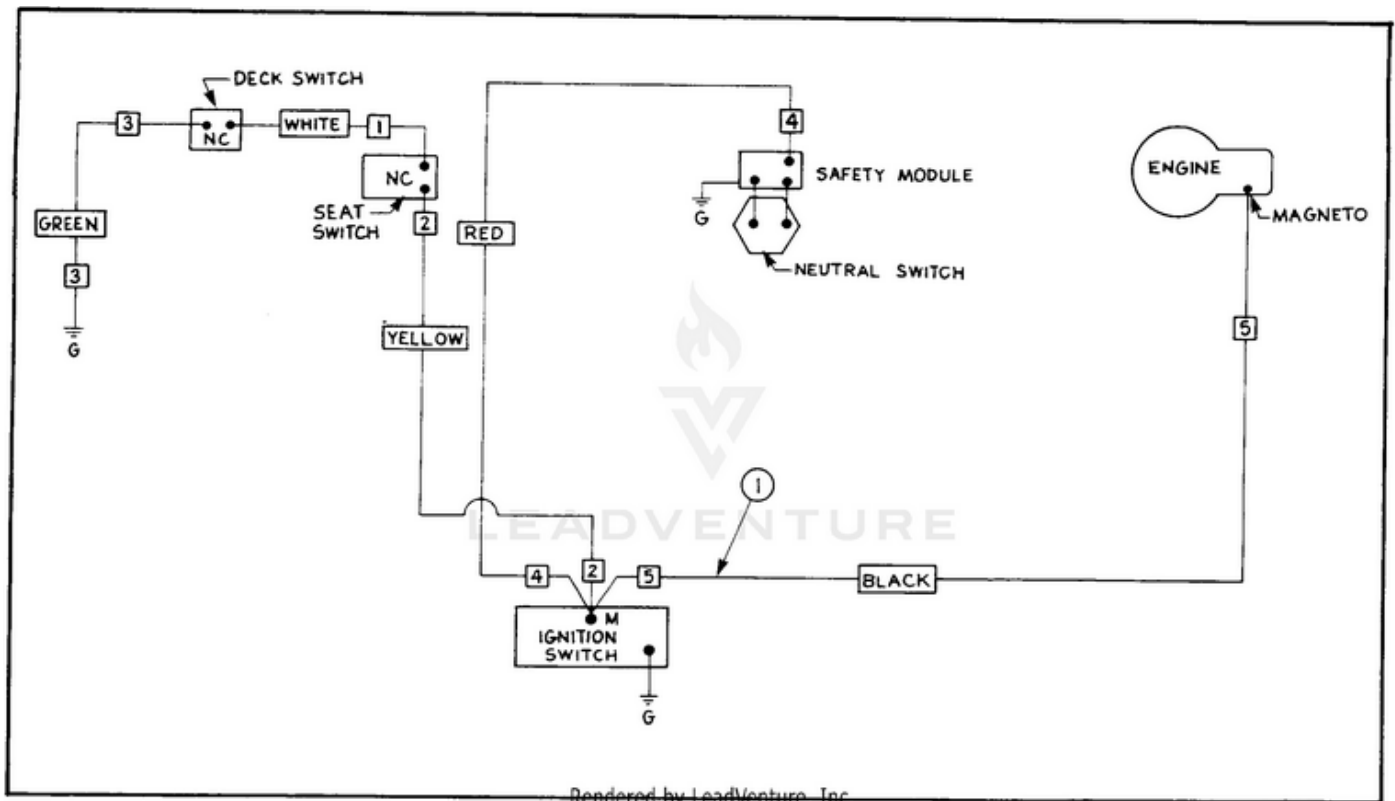
HR830 Riding Mower UT-32023 - Wiring Diagram Electric Start



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Ref #	Part #	Description	Qty	Context	Note
1	JA993107	WIRE HARNESS	1		
2	JA993508	BATTERY CABLE- Ground	1		
3	JA992199	BATTERY CABLE	1		
4	JA992201	STARTER CABLE	1		

HR830 Riding Mower UT-32023 - Wiring Diagram Manual Start



Ref #	Part #	Description	Qty	Context	Note
1	JA993108	WIRE HARNESS	1		