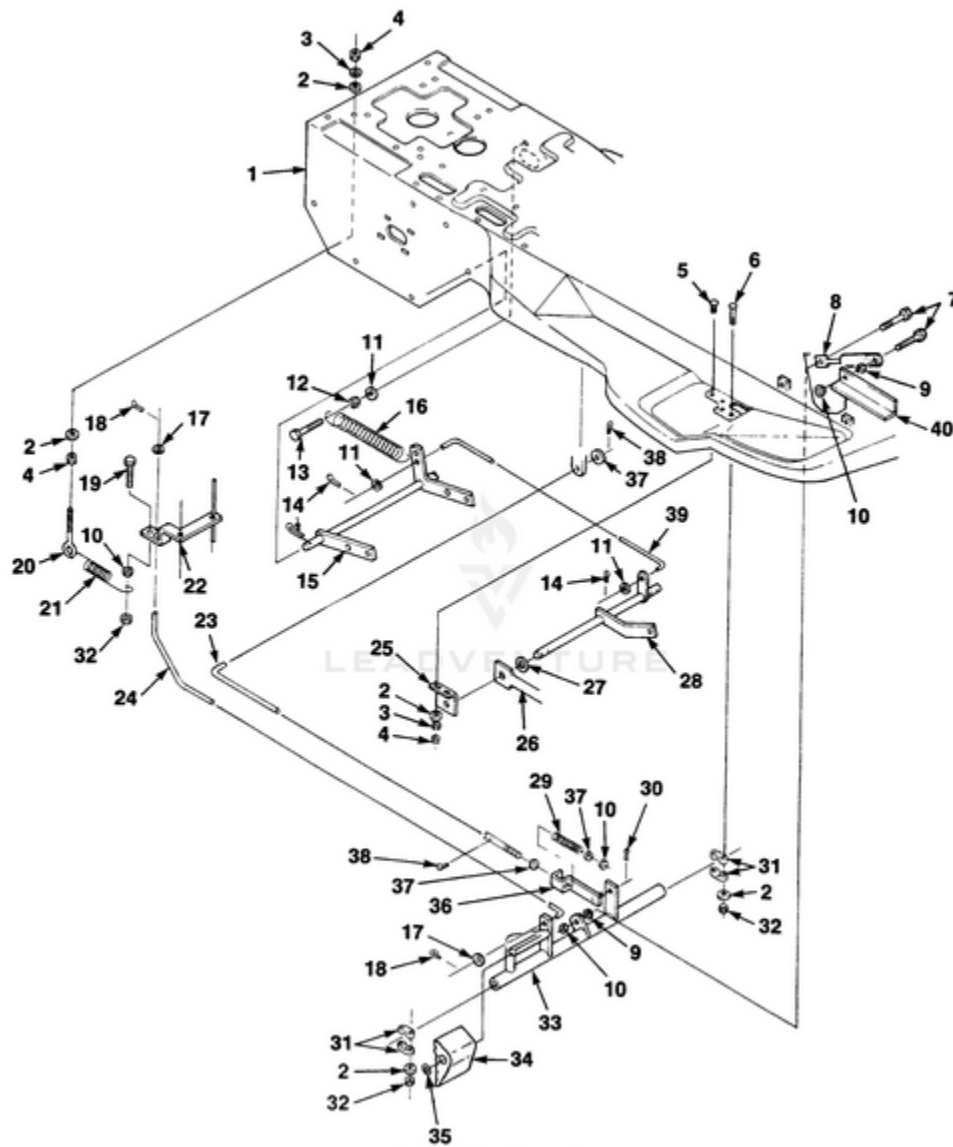


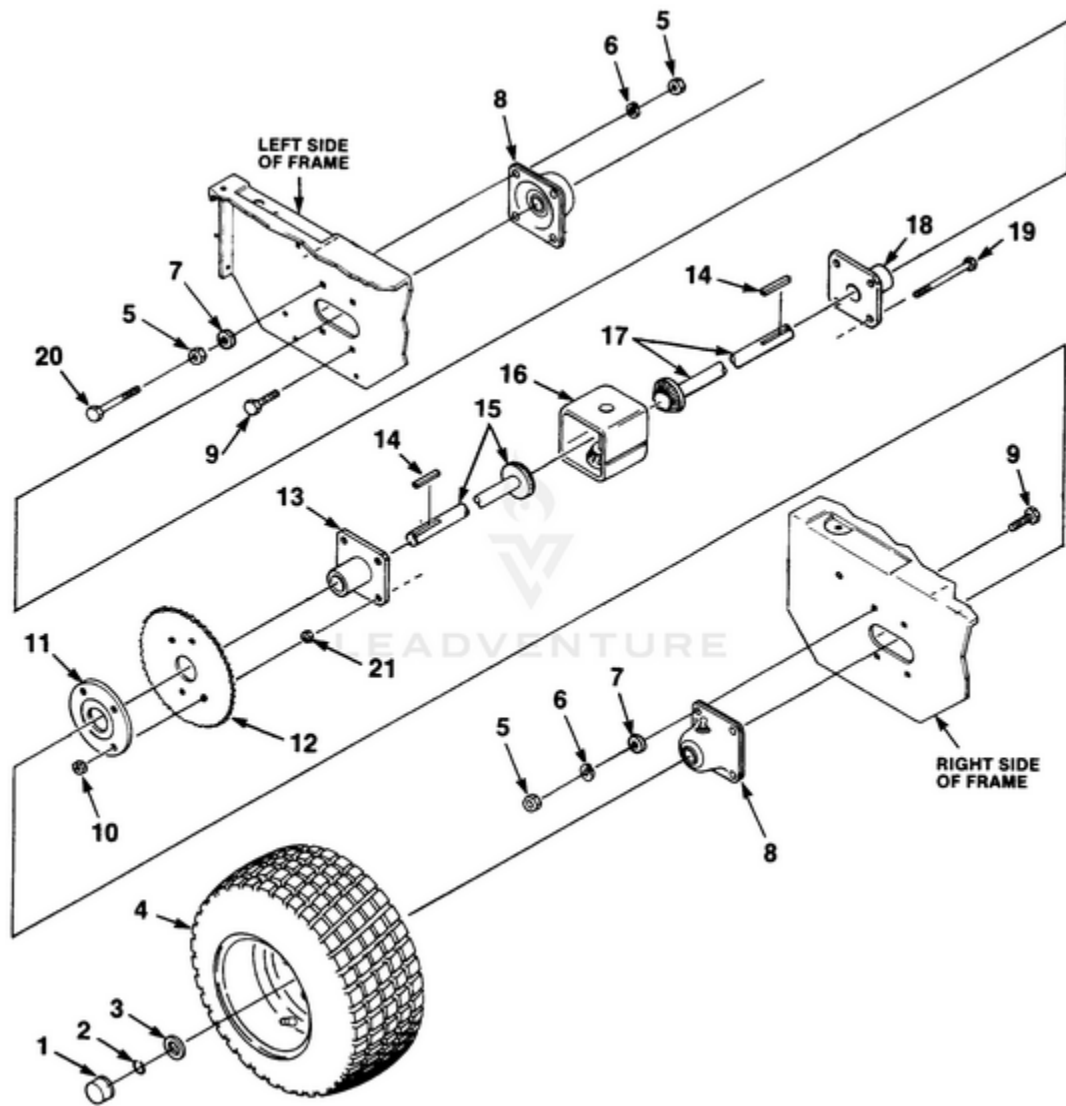
HR1230E Riding Mower UT-32030 - Clutch And Brake



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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	

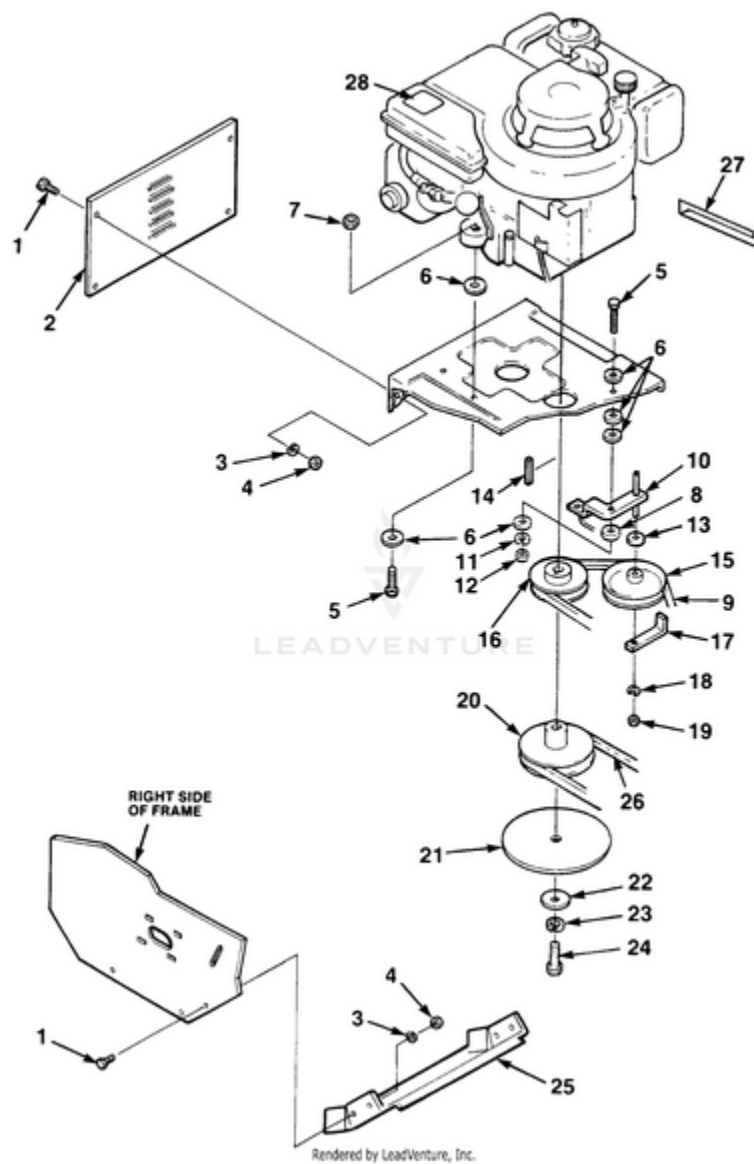
HR1230E Riding Mower UT-32030 - Differential



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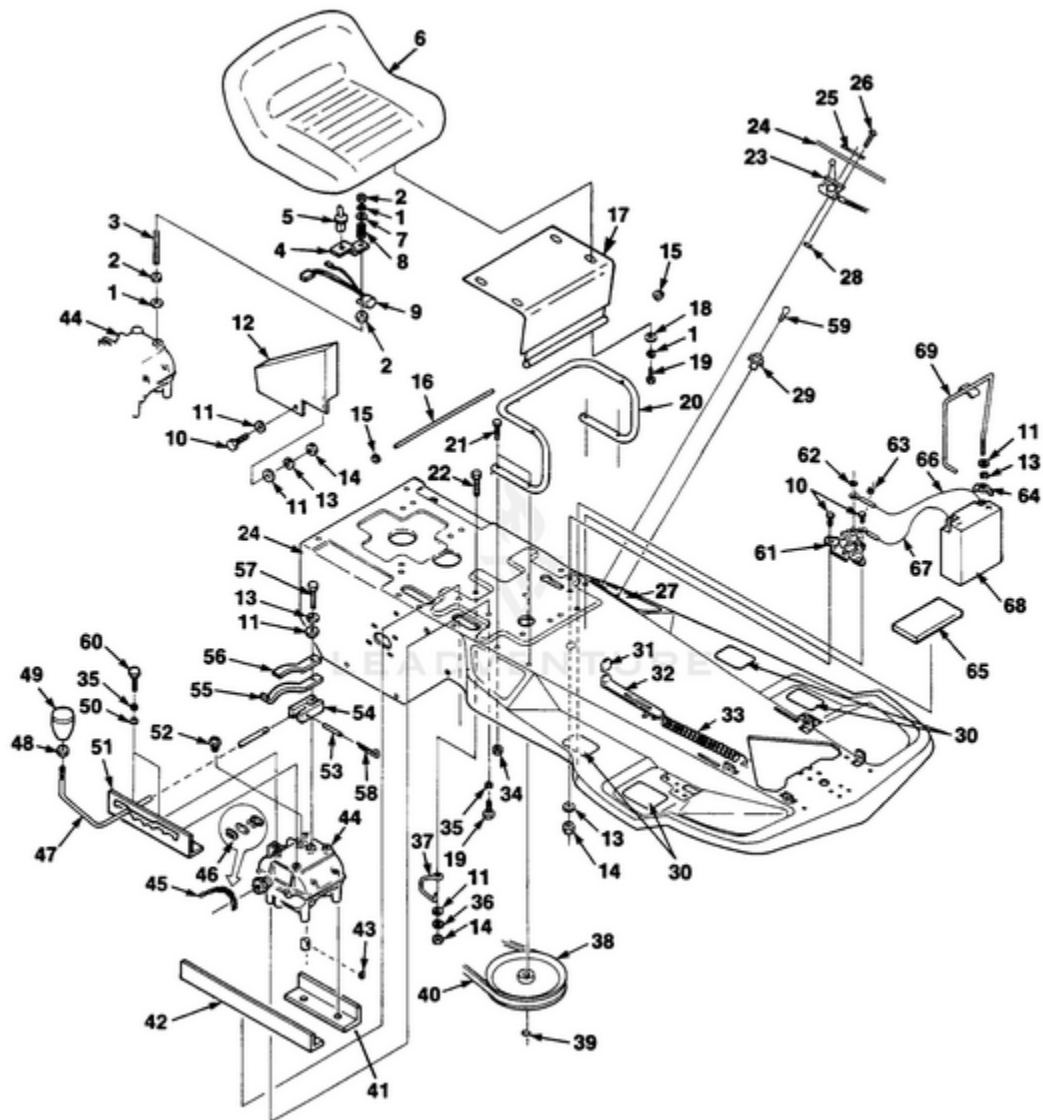
Ref #	Part #	Description	Qty	Context Note
1	JA376090	CAP- Hub		
2	JA458038	RING- Retaining	2	
3	JA313820	SPACER	A/R	
4	JA993804	WHEEL & TIRE	2	
5	JA 443110	NUT- Hex 3/8-16	9	
6	JA446142	WASHER- Lock 3/8"	8	
7	JA453011	WASHER- Plain 3/8"	8	
8	JA992654	BEARING	2	
9	JA400262	USE 80095	7	
10	JA 444762	NUT-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

HR1230E Riding Mower UT-32030 - Engine And Drive



Ref #	Part #	Description	Qty	Context	Note	MSRP
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			

HR1230E Riding Mower UT-32030 - 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)

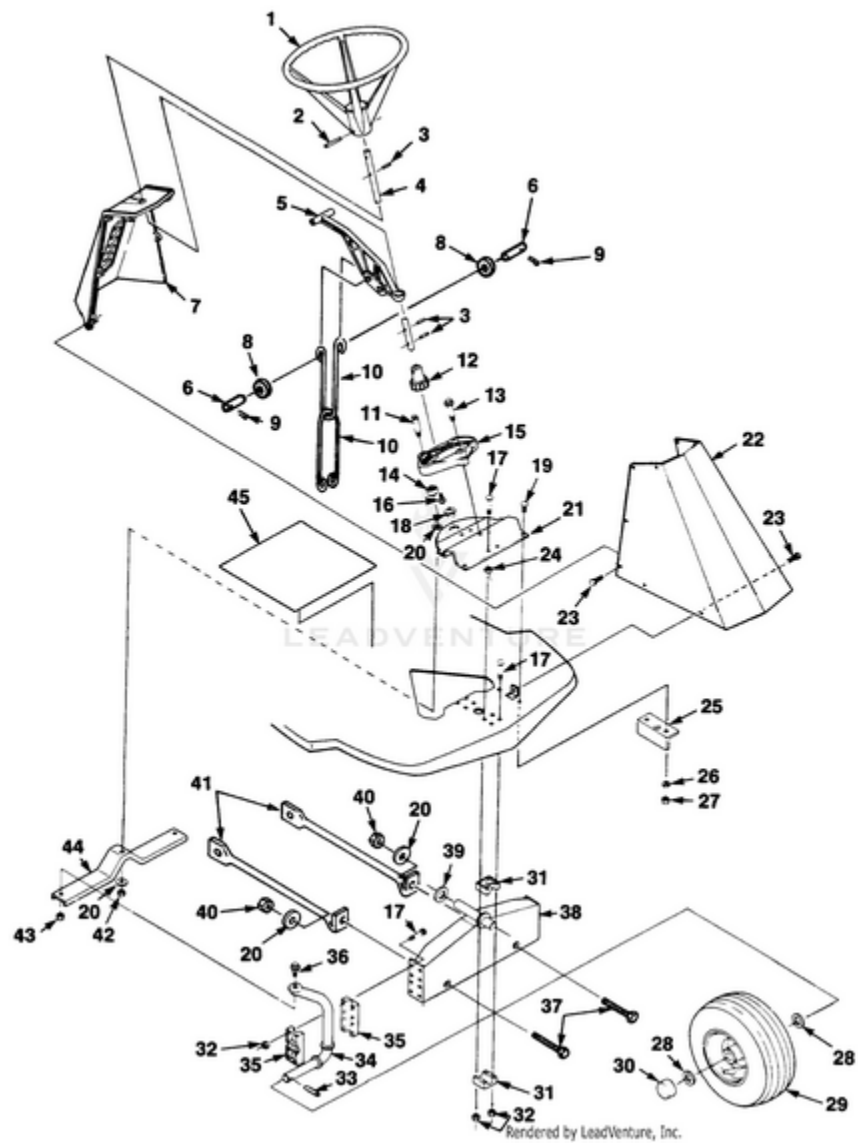
This diagram is an exploded view of a mechanical assembly, likely a scale or a similar device. It features numerous numbered parts (1 through 94) and two sub-assemblies labeled "FRONT HANGER ASSEMBLY" and "REAR HANGER ASSEMBLY". The main body of the assembly is a large, circular component with a central hub and multiple spokes. The "FRONT HANGER ASSEMBLY" is located at the top right, and the "REAR HANGER ASSEMBLY" is at the bottom left. The diagram shows the relative positions and assembly sequence of the various components, including screws, bolts, washers, and structural plates. A dashed line in the upper right corner indicates a separate sub-assembly or a detail view of a specific component.

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		

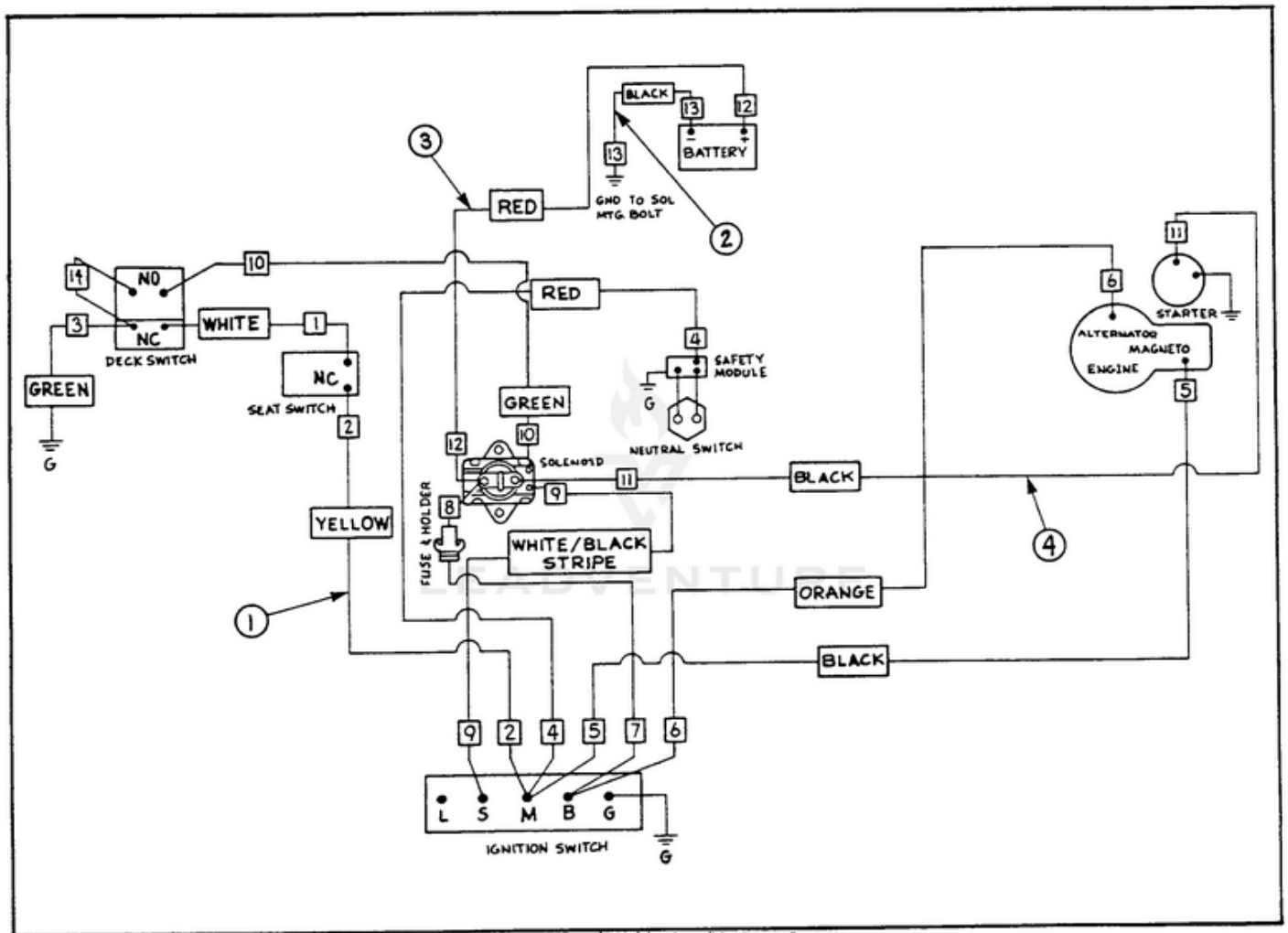
HR1230E Riding Mower UT-32030 - Steering And Mower Lift



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		

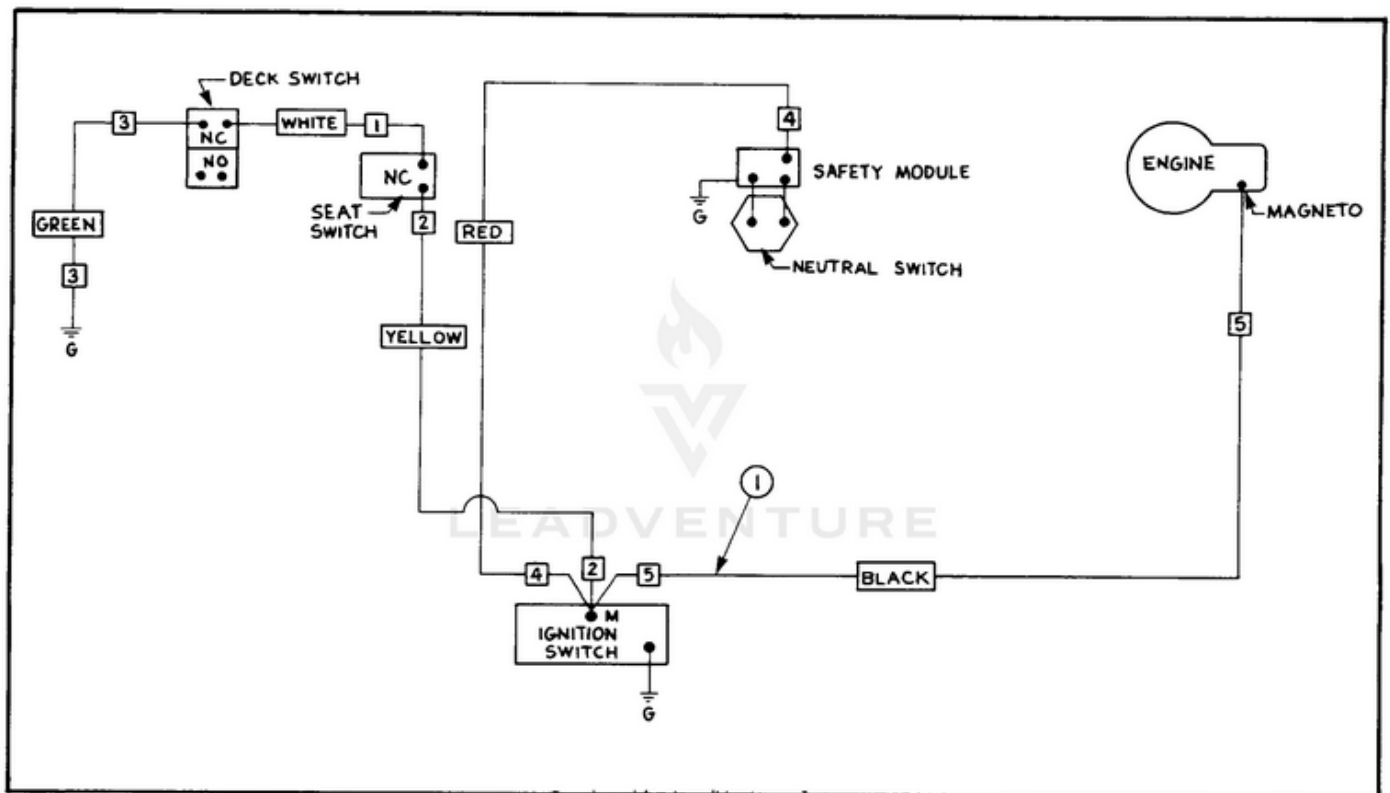
HR1230E Riding Mower UT-32030 - Wiring Diagram Electrical Start



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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		

HR1230E Riding Mower UT-32030 - Wiring Diagram Manual Start



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