

PARTS LIST AND INSTRUCTIONS



Wheel Horse

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

HEAD & TAIL LIGHT HL-5



Figure 1

DELUXE HEAD LIGHTS & TAIL LIGHT

DESCRIPTION

The HL-5 consists of a pull type switch, 2 Deluxe head lights, a safety tail light and mounting hardware to adapt it to all Wheel Horse Tractors beginning with 1961 Models equipped with electric starting.

Sufficient lead wire is provided on the lights so that the tail light and switch may be installed in positions other than those illustrated to "Customize" your installation.

ASSEMBLY

1. Remove the hood. Swing the head lights around to the outside of the U shaped mounting bracket before installing. (See Figure 3.) Place bracket, #5489, between frame angles (Figure 3) and set head light bracket over the two bolts. Fasten with two nuts. Replace hood and adjust before securing. Wrap wiring around the bracket and run along belt shield securing with clip #3023.

2. To assemble tail light — first remove the red cover and using the base assembly as a template, mark the two holes on the rear of the tool box with

the edge flush with the top. The two $\frac{7}{32}$ holes are $1\frac{3}{8}$ " apart and $1\frac{1}{16}$ " down from the top edge. Secure the tail light with two #10 round head bolts, two #10 lock washers and two #10 hex nuts. The wire should extend down from the light. Thread the wire under the tool box along the belt guard side of the transmission, up between the two frame angles and up the inside of the hood stand. Use the second wire clip as shown in Figure 1 to secure.

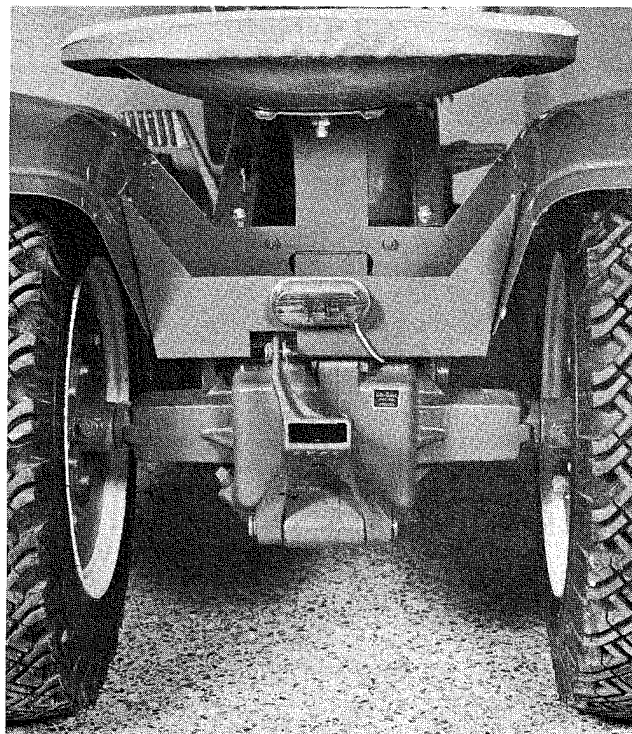


Figure 2

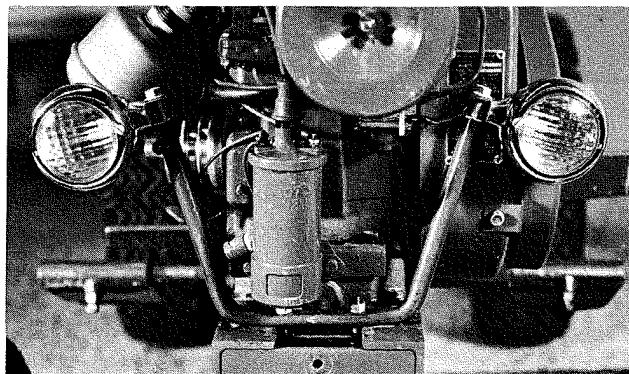


Figure 3

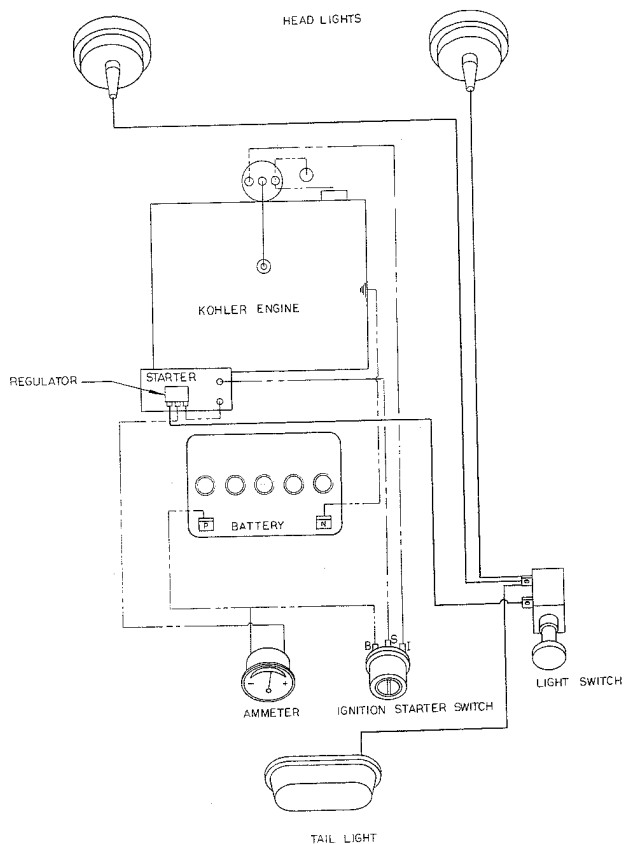


Figure 4

3. Install the switch using two $\frac{1}{4}$ -20 x $\frac{3}{4}$ Hex Screws to the right side of the hood stand in the tapped holes provided. For a neater installation, you may drill a $\frac{25}{64}$ diameter hole in the hood stand instead of using the switch mounting bracket.

4. The head light and tail light leads can now be secured to the switch. First pull tight up to the switch terminal and cut off allowing about 2 inches extra length. Strip the installation from the last $\frac{1}{2}$ inch of each lead. Insert the ends of each wire in the spade terminal and crimp securely with a pair of pliers. Fasten to one of the switch terminals and tighten the screw.

5. The $14\frac{1}{2}$ " wire is now fastened to the remaining terminal of the switch. Make sure the two ends do not touch and that each terminal is clear of tractor parts to prevent shorting. Make sure the switch

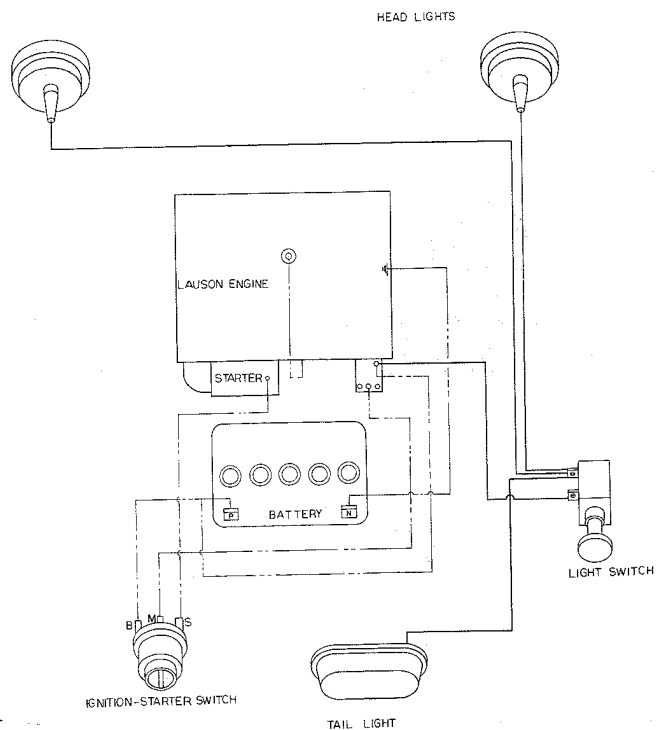
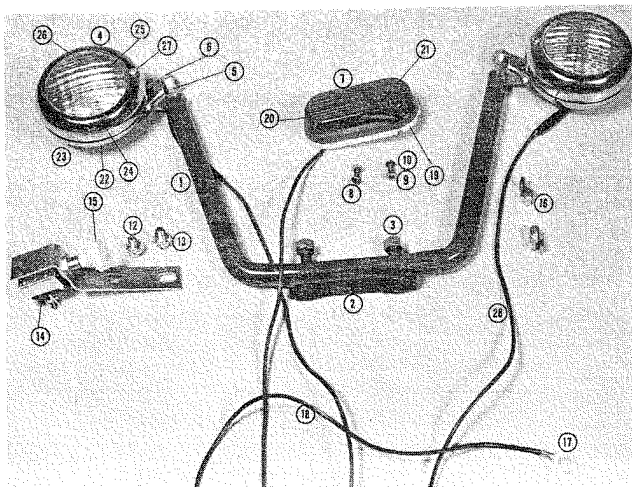


Figure 5

is pushed in to the off position. For Kohler Engines route the other end of the Voltage Regulator and secure to the left outside terminal, See Figure 4. On Lawson Engines route to the rectifier panel on the engine. Remove plastic cover and secure to top terminal in the panel. See Figure 5.

Pull switch to turn on lights and check for shorts. Push to off and tighten all connections and bolts.

PARTS LIST

When ordering parts always list Part No. and name of part.

Ref. No.	Part No.	Description	No. Req'd.
1	5478	Bracket — Head Light Mt'g.	1
2	5489	Clamp Assembly	1
3	915112-6	Nut $\frac{5}{16}$ -18 Nylok	2
4	5472	Head Light Assembly	2
5	5479	Tube — Spacer	2
6	908020-6	Bolt — Hex. $\frac{5}{16}$ -18 x $1\frac{1}{4}$ Nylok	2
7	5485	Tail Light Assembly	1
8	909138-4	Bolt — Rd. Hd. #10-32 x $\frac{5}{8}$	2
9	915551-4	Nut — Hex #10-32	2
10	920079-4	Lockwasher #10	2
11	4803	Bracket — Switch	1
12	908015-4	Bolt Hex. — $\frac{5}{16}$ -18 x $\frac{1}{2}$	2
13	920155-4	Lockwasher $\frac{5}{16}$ Int. Tooth	2
14	5273	Switch	1
15	5274	Knob	1
16	3023	Clip — Wiring	4
17	5492	Terminal — #8 Spade Type	2
18	2896	Wire Assembly — SW to VR	1
19	5486	Base Assembly — Tail Light	1
20	5487	Cover — Amber — Tail Light	1
21	5488	Bulb — 12V Tail Light (Not shown)	2
22	5473	Base Assembly — Head Light	1
23	5474	Bulb — 12V Head Light (Not shown)	1
24	5475	Housing — Lens — Head Light	1
25	5476	Lens — Clear	1
26	5477	Retainer — Lens (Wire — Not shown)	4
27	908987-4	Screw — Rd. Hd. Sl'td #6-32 x $\frac{3}{4}$	1
28	5521	Wire & Contact Ass'y.	1