

E-Z TRAIL INC.

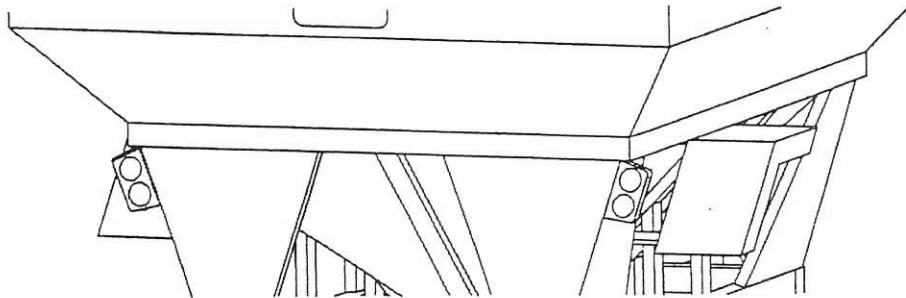
FARM WAGONS

In all thy ways
acknowledge Him
and He shall direct
thy paths. Prov. 3:6

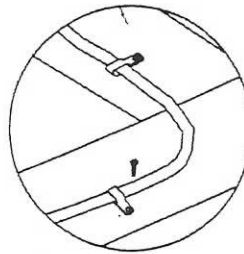
HWY. 133 EAST P.O. BOX 168 ARTHUR, ILLINOIS 61911

www.e-ztrail.com

E-Z Trail Light Kit for Grain Carts, Gravity Wagons:



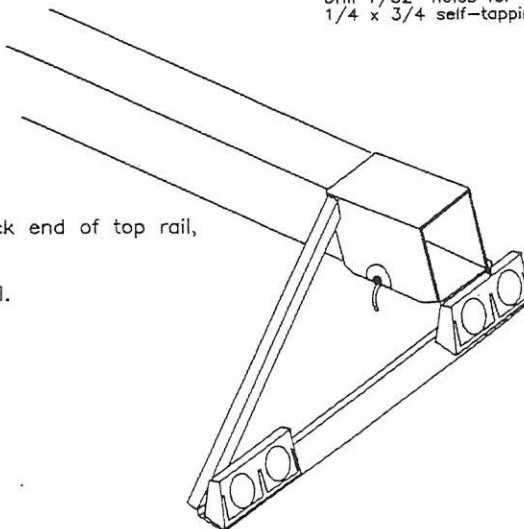
Position so that amber lights can be seen from front.



for Head Haulers:

Drill 7/32" holes for
1/4 x 3/4 self-tapping bolts

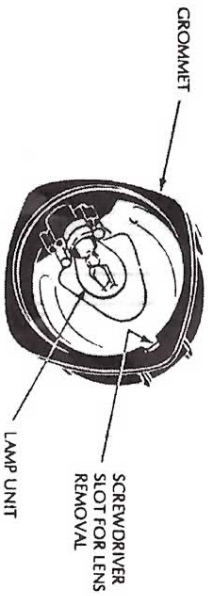
Bracket clamps to back end of top rail,
lights bolt to bracket,
run wires thru top rail.



Manufacturer of the original E-Z Trail Farm Wagon
ph. 217-543-3471 - 800-677-2802 - fax 217-543-3473

REPLACEMENT COMPONENTS

In the event that replacement of bulbs or other components need to be removed, use the following diagram as a reference:



1. Rear of light (facing away from implement) contains #2 phillips screws.
2. If your light is mounted through the outside holes, remove the 2 rear bolts. If installed with bolts from the bottom through the center portion of the light housing, it is necessary to remove the light entirely from mounting brackets.
3. Remove the phillips screws, and pry apart housing.
4. Insert small screwdriver in slot in rubber grommet between lens and grommet. Using a circular motion, lens will lift from grommet.
5. Replace bulb with standard automotive #1157 bulb.
6. Place lens over grommet. Roll rubber away from lens in a circular motion while pushing lens into groove.
7. If grommet was removed from housing, replace by positioning into cavity with wires routed in same manner as they were removed.
8. Replace housing making sure that wires are not pinched and grommet is protruding from housing approximately 1/16" all around its periphery.
9. Reassemble with phillips screws andreattach to mounting bracket.

Wesbar CORPORATION
P.O. Box 577 • 4201 County Highway P • West Bend, WI 53095

Form #105435-5M

Wesbar® INSTALLATION INSTRUCTIONS for AG LIGHTS

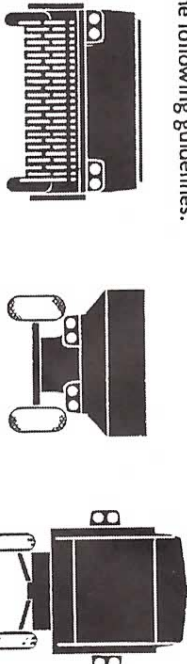
Congratulations on your purchase of the only light(s) designed for the most rigorous field conditions in the Ag industry. Installed correctly, it will provide reliable, durable, and safe lighting under adverse environmental and weather conditions.

The American Society of Agricultural Engineers, ASAE, has established minimum marking recommendations for agricultural field equipment that is towed on or across public highways. These standards include:

- a. One red tail lamp mounted to the rear of the implement and as far to the left as possible. This must face rearward only.
 - b. Two amber flashing lights, visible from front and rear, and as far to the left and right as possible. These should be mounted to within 16 in. of extremities and within 39 in. to 10 ft. in height.
 - c. Non-symmetrical equipment, such as moldboard plows or windrowers, extending only to the left or right may have one amber flashing light mounted to within 16 in. of the extremity.
2. Implements extending more than 4 ft. to the left of the center of the tractor should have at least one amber reflector visible to the front, located to the extreme left of the implement.
 3. Implements extending more than 10 ft. behind the hitch point should have at least two amber reflectors visible from both the left and right sides. Reflectors should be spaced no more than 5 ft. apart, starting from the hitch. The rearmost reflector should be positioned as far to the rear as possible. Implements extending more than 4 ft. to the rear of the hitchpoint or more than 4 ft. to the left or right of the center of the tractor should have at least two red reflectors visible to the rear.

LOCATION

Dual and single lamp units can be mounted in a variety of locations and positions using the following guidelines:



1. Amber must always be mounted either the top or outer-most left or right position. It should be able to be seen from both the front or rear of the implement at all times.
2. Single lamps may be used in place of a dual lamp, if mounting is a problem.
3. If the amber lamp cannot be seen from both front and rear of the implement at the same time, a second lamp is necessary and should be positioned as far forward as possible.
4. Red is to face rearward only.

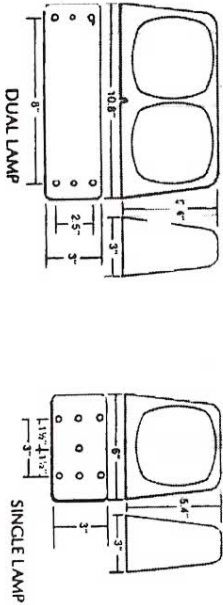
Note: All lamps can be mounted horizontally, vertically, upright or inverted. However, care should be taken to adequately protect the base from excess water buildup when inverting.

MOUNTING

All units have provisions for multiple mounting. The outermost holes will accept 1/4" machine or lag screws and will allow thru-panel bolting. The inner holes are designed to accept 1/4" lag or self-drilling screws only. Maximum length not to exceed 1" beyond panel. A 9/32" dia. hole size is recommended.

If holes are required to route wires and connectors from lamp units, a 3/4" diameter hole is recommended.

The diagram below should be used as a guide for mounting hole placement:



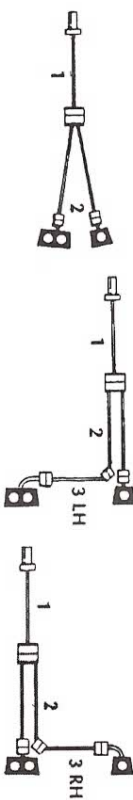
WIRING

Your lamps are provided with molded connectors which plug together for ease of assembly and maintenance.

Wesbar harness components are available in various lengths to permit a variety of wiring configurations.



The diagrams below should be used as a guide for determining the correct harness components for your application.



Note: Approximately 5' of cable should extend beyond hitch point for adequate reach to tractor connector.

For proper protection of wiring all connections should be placed in a shielded position to reduce snagging. Wesbar #2810 cable clamps spaced approximately 36" apart will protect wire from sagging.

CIRCUIT TESTING

Wire Color Code:	Wire Color	7-Pin Connector Terminal #	Circuit
	White		Ground
	Yellow	3	LH Turn & Flash
	Green	5	RH Turn & Flash
	Brown	6	Tail Lamps

Your tractor should be previously wired for a standard 7-pin connector. If provided from the factory or dealer installed, you need only to plug your implement harness in and check operation with your tractor flashers and signals.

Should your lights not work in unison with tractor lighting, check tractor plug for correct wire code, or consult your dealer for the proper routing of connections.

If your tractor is not equipped with a 7-pin connector, please contact your local dealer for installation to your tractor manufacturer specifications.