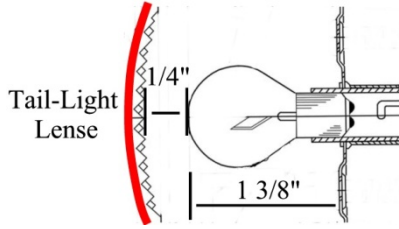


Tail Light Wiring Kit Installation Instructions

Kit # TLWK25NE

****Please Note:** Check to make sure you will have a 1/4" clearance from the top of the bulb and the taillight lens before beginning this installation. You can get a rough estimate by removing the taillight assembly and taking out one of the existing taillight sockets and taking a measurement.



WARNING: Read installation instruction completely before beginning installation of this kit. Incorrect wiring can result in blown fuses, damaged wiring, and possibly fire. Major Electronix Corp will not be held responsible for any personal property damage, or bodily injury caused by incorrect wiring or misuse of this product.

		Parts Included	
No.	Qty.		Description
1	1	.....	25 Ft., 4-Conductor Flat Loom
2	2	.....	3 Wire Bulb Socket
3	2	.....	.2357 Bulb, 40 Watt
4	10	.....	Butt Connector, 16-14 Gauge. Insulated
5	15	.....	Wire Ties
6	2	.....	#10-16x1 Self Drilling Screw
7	2	.....	Ring Terminal, 10 Std- 10 to 12 gauge
8	1	.....	Brown 16 Ga. Wire, 10 ft.
9	1	.....	Green 16 Ga. Wire, 10 ft.
10	1	.....	White 18 Ga. Wire, 10 ft.

		Additional Items Needed But Not Included	
No.	Qty.		Description
1	1	.....	Silicon Sealant
2	1	.....	4 or 6 Way Receptacle

Installation

1. Begin at the front of the towed vehicle, and run the 25 ft. 4-Conductor Flat Loom down the chassis to the rear of the vehicle. Vehicles with a trunk may require wiring to be run through the firewall into the interior of the vehicle along the door sills into the trunk. Use the wire ties supplied to secure the wire to the frame or secure structure of the vehicle.



WARNING: Keep the 4-Conductor Flat Loom clear of exhaust components as well as other high heat locations. Also insure that the wire will not interfere with any moving parts such as the drive shaft, steering components, suspension and related.

2. Wire the front of the towed vehicle with a 4 way receptacle (not included) A 5 or 6 way receptacle may be used if you will need additional pins for a braking system. Attach receptacle to the supplied mounting bracket on the baseplate or an L bracket which is mounted to front bumper or frame support of vehicle.



3. The sockets are installed into both of the towed vehicles tail light

Figure 1

assemblies. The location should be as flat as possible, with enough clearance for the bulb on the inside and the socket on the back side. Using a 1" drill bit or hole saw, drill a hole into each housing. **See Fig 1**



WARNING: Each socket must be installed in the taillight assembly section with the red lens. Maintain at least a ¼" of clearance between the bulb and the taillight lens to avoid discoloration or possibly melting of the lens.

- The black wire on the socket is the **brake/ turn signal** wire and the brown is the **tail light** wire. The white wire is used for the **ground wire**.

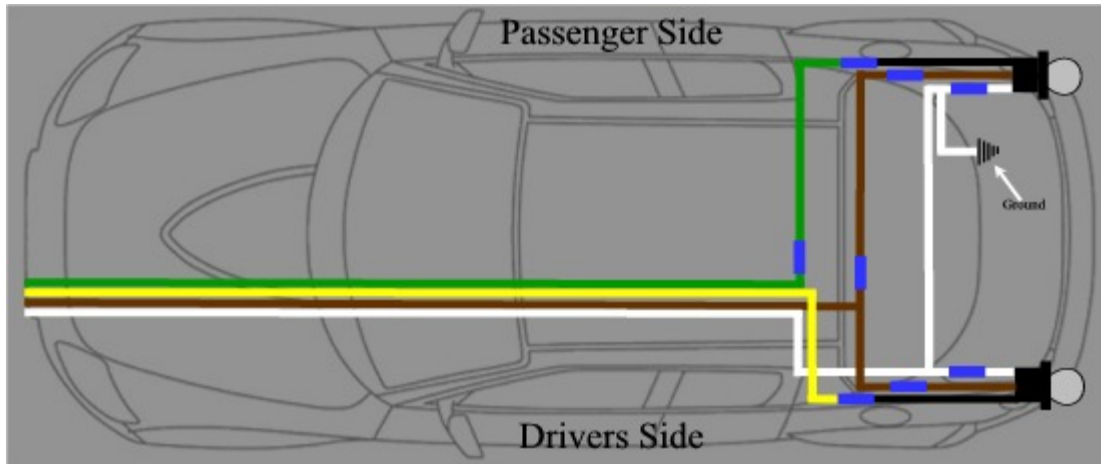


Figure 2

- Insert the socket with bulb installed into the 1" holes by gently pushing it into place. Seal socket to tail light housing with silicone sealant.
- Run the 10 ft green, white and brown wires from the passenger's side socket to the driver's side where the 25 ft. 4-Conductor Flat Loom is.
- Crimp the 10 ft brown wire together with each socket and then to the brown wire in the 25 ft. 4-Conductor Flat Loom.
- Crimp the 10ft green wire to the black (turn signal/brake) wire on the passenger's side and then to the green wire at 25 ft. 4-Conductor Flat Loom.
- Crimp the 10 ft white (ground) wire to each socket and then to the white wire in the 25 ft. 4-Conductor Flat Loom. Ground one end of the white wire to the metal frame of the vehicle with ring terminal and self tapping screw. **See Fig 2.**
- At the driver's side socket connect the black (brake/turn signal) wire and the yellow (brake/turn signal) wire from the 25 ft. 4-Conductor Flat Wire. **See Fig 2.**
- Test the system before re-installing the tail light assemblies back onto the vehicle. Plug the tow vehicle together with the towing vehicle and test each turn signal, running lights and the brake lights. If lights do not work properly, there could be a loose connection, an improper ground or a wiring error. Recheck to assure all connections were made correctly, especially the ground connection.

NOTE: If the towing vehicle is equipped with amber turn signals and red brake lights, a tail light converter (not included in this wiring kit) is needed to convert the amber/red 5-wire system to the standard "red only" 4-wire system.

NOTE: A heavy duty flasher unit may be required in the towing vehicle to power the added circuit load of the towed vehicle.