



# BX88276 thru BX88285 and BX88287 EZ Light Wiring Harness Kit Installation Instructions

## Required Parts and Tools

- EZ Light Wiring Harness Kit
- Combination Wire stripper-crimper-cutter
- Screw drivers and/or wrenches and/or socket set
- Special tools to access the towed vehicle's tail light assemblies (depends on the vehicle.)

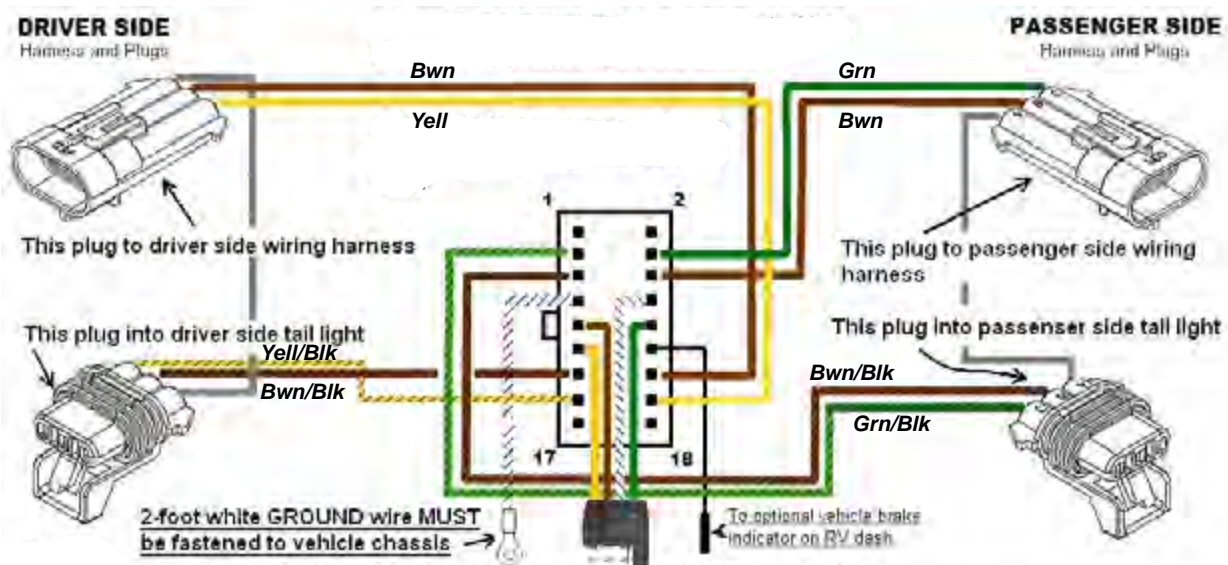


**WARNING** Installing the EZ Light wiring harness system requires basic hand-tool skills. Failure to understand how to install or operate this product could result in property damage and/or personal injury.

## Installation Instructions

Driver side = Left side    Passenger side = Right side

- 1) Find a convenient location to mount the control box that will allow the wiring harness to easily reach the left and right tail lights. For instance, inside the spare tire well or behind an interior panel.
- 2) Gain access to the back of both the left and right tail light assemblies. This may be accomplished from outside the vehicle or inside the vehicle depending on the make and model.
  - Outside — remove the screws holding the tail light covers. Remove the covers and work the tail light assemblies loose to expose the wiring.
  - Inside — remove the plastic or fabric covering the assemblies to expose the wiring.
- 3) Plug the the wiring harness into the controller.
- 4) Route the DRIVER side wiring harness (yellow and brown wires in a bundle) to the DRIVER side tail light wiring. Route behind interior panels as practical.
- 5) Route the PASSENGER side wiring harness (green and brown wires in a bundle) to the PASSENGER tail light wiring. Route behind interior panels as practical.
- 6) Route the 4-wire FLAT cable to the front of the vehicle. Wire tie every 8 inches to 12 inches as necessary to insure good mechanical connection to vehicle frame.



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## EZ Light Wiring Harness Kit

### Installation Instructions


#### DRIVER SIDE Wiring

- 1) Unplug the tail light from vehicle wiring.
- 2) Insert the connector into mating tail light connector.
- 3) Plug the vehicle wiring connector into the remaining connector.
- 4) Neatly bundle and zip-tie slacked wires.
- 5) Carefully re-install the tail light assembly taking care not to pinch wires or crimps.
- 6) Re-install any interior panels that were removed for routing the harness to the driver side.

#### PASSENGER SIDE Wiring

- 1) Unplug the tail light from vehicle wiring.
- 2) Insert the connector into mating tail light connector.
- 3) Plug the vehicle wiring connector into the remaining connector.
- 4) Neatly bundle and zip-tie slacked wires.
- 5) Carefully re-install the tail light assembly taking care not to pinch wires or crimps.
- 6) Re-install any interior panels that were removed for routing the harness to the passenger side.


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- 1) Mount controller in an out of the way location. Peel protective cover off the sticky foam on the back of the controller and firmly press it in place.


 The white wire with ring lug must be attached to vehicle metal chassis otherwise the controller will not operate correctly

- 2) Route the 2-foot WHITE wire to a metal chassis location. Drill a ¼ inch hole if necessary to route wire to outside the vehicle. Strip ¼ inch insulation from wire end and crimp on the ring terminal provided in the kit. Use the self-tapping screw to attach the ring terminal to chassis ground.

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## Test and Operation Guide

 **CAUTION** While towing a vehicle equipped with a remote brake system, it will be necessary to turn on the RV tail lights to provide power to the braking system.

 Have another person assist you when checking the tow system lighting for proper operation.

#### TEST BEFORE TOWING

- 1) When you have your towed vehicle hitched and ready to tow, make sure the towed vehicle electrical (umbilical) cable is connected between your towed vehicle and RV.
- 2) Have your assistant sit at the driver seat in the RV.
- 3) While standing at the rear of the towed vehicle, have your assistant switch on the RV running lights.
- 4) Both the RV tail lights and the towed vehicle tail lights will light.
- 5) Have your assistant press the brake pedal in the RV. RV brake lights and towed vehicle brake lights will brightly light.


 On towed vehicles with **SEPARATE BRAKE AND TURN** lights, the controller will light **both BRAKE and TURN lights together**. **THIS IS AN ENHANCED FEATURE** that gives your towed vehicle higher visibility to those driving behind you.


- 6) Have your assistant release the brake pedal.
- 7) Have your assistant turn on the driver side turn signal. The driver side turn light on the RV will blink along with the driver side brake light (and separate driver side turn light) on the towed vehicle.
- 8) Have your assistant turn on the right turn signal. The right turn light on the RV will blink along with the right brake light (and separate right turn light) on the towed vehicle.


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**AFTER THE TOW**

1) After unhitching and disconnecting the towed vehicle, verify brake and turn signal lights are working properly before driving.

 The plug, socket and mounting bracket for the towed vehicle are not included in this kit.

 The umbilical cord, used to connect brake and turn signals between the motor home and the towed vehicle, is not included in this kit.

 The towed vehicle remote brake indicator wiring and components are not included in this kit.

**Parts List**

BX88276 EZ Light, Enclave, Malibu & Traverse 63-3970 BX88276 Parts Bag	BX88282 EZ Light, Grand Cherokee 63-3976 BX88282 Parts Bag
BX88277 EZ Light, Cobalt 2 DR, HHR, GS 2 DR 63-3971 BX88277 Parts Bag	BX88283 EZ Light, Liberty 63-3977 BX88283 Parts Bag
BX88278 EZ Light, Cobolt 4 DR, GS 4 DR 63-3972 BX88278 Parts Bag	BX88284 EZ Light, Renegade, Wrangler 63-3978 BX88284 Parts Bag
BX88279 EZ Light, Liberty, Nitro 63-3973 BX88279 Parts Bag	BX88285 EZ Light, Rubicon, Wrangler 63-3979 BX88285 Parts Bag
BX88280 EZ Light, Escape, Edge, Edge Sport, MKX & Mariner 63-3974 BX88280 Parts Bag	BX88287 EZ Light, Edge 63-4012 BX88287 Parts Bag
BX88281 EZ Light, CRV 63-3975 BX88281 Parts Bag	

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