



# OUTBACK F4 MINI INSTALLATION INSTRUCTIONS

## PART #: 20-350, 20-351, 20-352

**Note:** Before beginning, read instructions through carefully and completely. Prior to attaching your new L.E.D. Tailgate Light Bar, open tailgate fully to ensure gate clears Taillight Bar without interference.

PARTS LIST	
QTY.	DESCRIPTION
1	F4 Mini Light Bar
2	#8 Mounting Screws

TOOLS / SUPPLIES NEEDED:				
Eye Protection	12 volt test light	Tape measure	Masking tape	Electrical Tape
Center Punch	Drill Motor	#2 Phillips Screw Driver	1/8" Drill Bit (for mounting holes)	
5/16" Drill Bit (hole for wiring)		4 wire connectors or a standard flat four-prong trailer plug		

### MOUNTING THE LIGHT

**STEP 1:** Use a tape measure to ensure Light Bar is positioned properly. If your truck came with a factory center clearance light you may be able to re-use the factory holes. If they do not match or there is no factory light you will need to lay out the holes measuring from the center of the bed, tailgate or trailer.

**STEP 2:** Once the light is positioned, use masking tape to position the light in place, use the center punch to mark the mounting holes. Remove the light and drill the mounting holes with a 1/8" drill bit. Drill the wire harness hole with the 5/16" drill bit. Wrap wires with electrical tape to protect them from any sharp metal edges. Run the wires through the center hole and mount the light using a #2 Phillips Screw Driver. Install the screws provided (Do not over tighten).

### ELECTRICAL CONNECTIONS

Your new Outback F4 Mini Tailgate Light Bar is designed to be hard wired but can be modified to use a standard flat four-prong trailer light connector (available at most auto parts and trailer supply stores) for quick and easy installation.

If your vehicle has a trailer light connection: Simply run the Light Bar wires to the back side of the existing trailer connection. You will need to use a test light to determine the proper wires to connect the wires. Carefully route wires so they do not hang down or they may be damaged by road hazards such as rocks, gravel or other debris. Secure in place using tie wraps.

If your vehicle does not have a trailer light connection: You will need to locate the wires under vehicle. Usually close to the tail lights. There are two types of tail lights on late model vehicles.

#### Single Bulb - brake and turn signals *Most Domestic Vehicles*

#### Separate Bulbs - brake and turn signals *Most Import Vehicles*

#### 1) Single Bulb - brake and turn signals (Dual filament type bulb) *Most Domestic Vehicles*

Identify & connect each wire to it's function according to sections A, B, C, & D.

**A) Identify running light wire:** Turn on running lights and use test light to identify which wire is powered. Mark light, then attach to **Brown** wire on Light Bar.

**B) Identify left turn signal wire:** Turn on the left turn signal and identify which wire powers that light, then attach to **Yellow** wire on Light Bar in same manner.

**C) Identify right turn signal wire:** Turn right signal on and identify the wire powering the right signal light and connect to **Green** Light Bar wire.

**D) Locate proper ground:** Attach **White** ground wire on Light Bar to a solid ground connection on vehicle chassis.

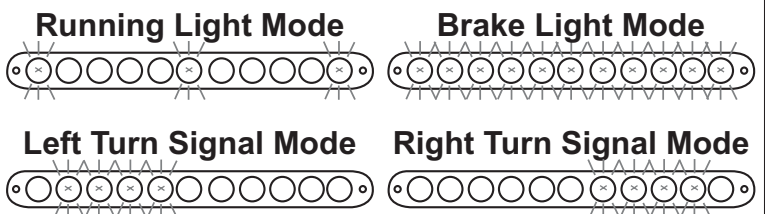
#### 2) Separate Bulbs - brake and turn signals (Separate bulbs for each function) *Most Import Vehicles*

Import vehicles are equipped with a five wire system. If the vehicle has a trailer light connection then you can proceed with above wiring instructions A, B, C & D. If the vehicle is not equipped with a trailer light connection you will need a trailer wire adapter, which is available at most auto parts and trailer supply stores. This adapter converts the five wire system to the four wire Domestic system. For adapter installation please read and follow the instructions which come with the adapter. Then follow above steps A, B, C & D for Mini Light Bar wiring.

### SYSTEM CHECK

With a helpers assistance check all functions turning on running lights, turn signals, and applying brakes. All functions should work as illustrated below.

**Note:** If the right & left turn signals work opposite to the truck, reverse the **Yellow & Green** wires. This is easier then re-mounting the light.



### Warning:

Installation of accessories should only be undertaken by those with mechanical and electrical knowledge and are familiar with working on vehicles. Always use eye protection (goggles, safety glasses or shield). Park the vehicle in a well lit area, on level ground and apply the parking brake. Disconnect the battery before beginning installation. After installation, reconnect battery and check all lights and electronic functions thoroughly. Before starting the vehicle, make sure no tools or any other items are left under hood that could interfere with or be drawn into moving parts of the engine. Failure to follow instructions can lead to severe damage and personal injury.