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# LINE OF FIRE LED LIGHT BAR

Altec LINE OF FIRE LED Light Bar Installation Instructions.

Installation of the LINE OF FIRE light bar is easy and no tools are required. Follow these simple steps to get professional results in just 10 minutes, and years of dependable service. The LINE OF FIRE mounts in the recessed area between the bottom of the pickup tailgate and the bumper shelf. It can be simply plugged into a standard four-pin trailer receptacle or hard wired in to the truck tailights.

## 1. CLEANING.

Important, thoroughly clean the mounting surface before mounting. Use warm soapy water first to remove all wax and dirt. Dry completely and clean again using cleaner. Do not touch surface after cleaning.

## 2. MARKING THE MOUNTING LOCATION.

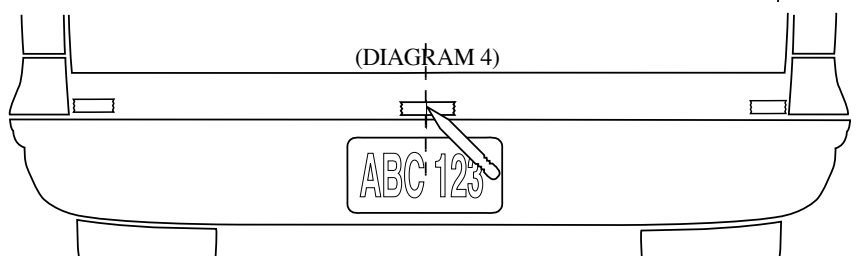
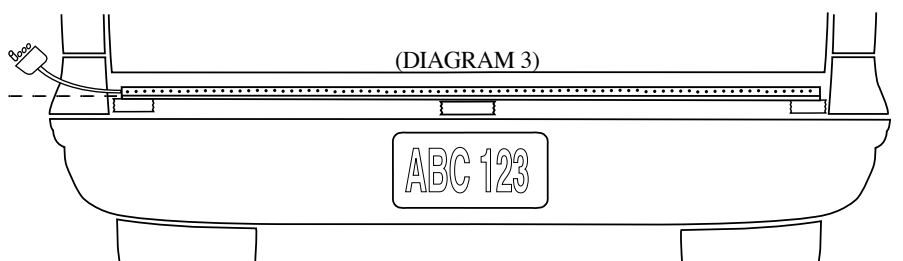
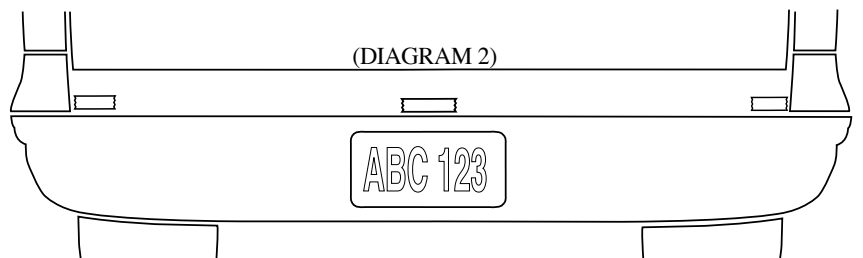
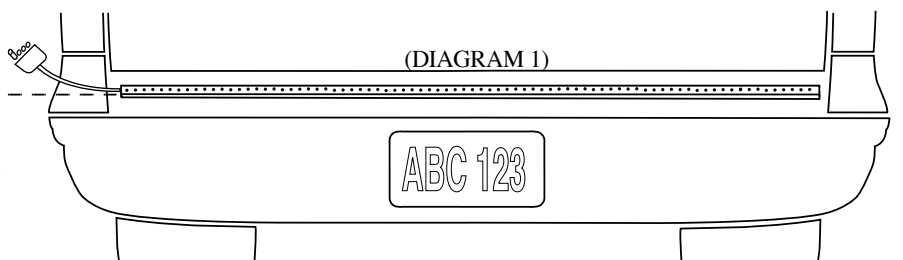
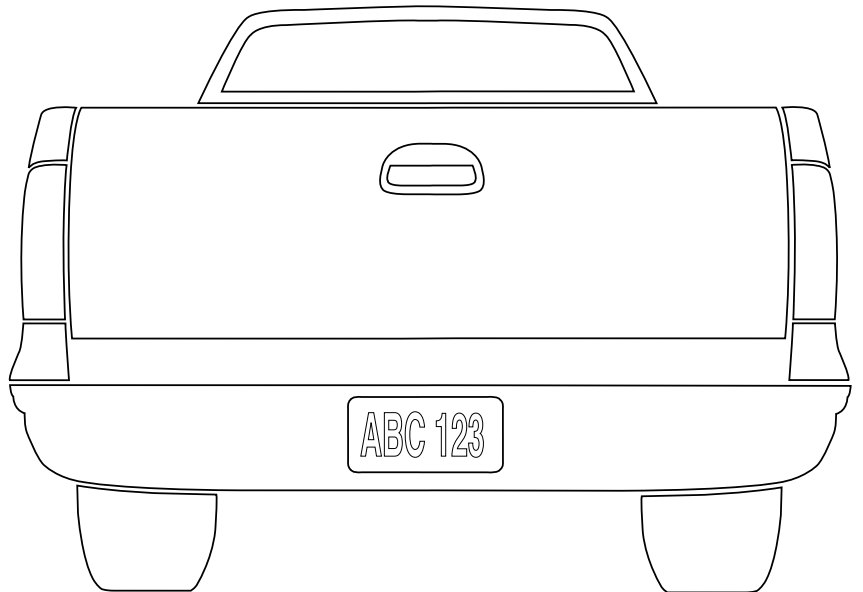
Do not remove adhesive tape backing until after the mounting location has been marked using tape. First hold the light bar assembly in position so it is equally spaced from top to bottom and left to right. (SEE DIAGRAM 1.)

The wire bundle end of the light bar must be toward the driver's side in order for the turn signals to work properly. Mark this location with three strips of tape, place tape so top edge of tape is the center (top to bottom) of recessed area. (SEE DIAGRAM 2.)

The top edge of these tape strips will line-up with the bottom edge of the light bar. (SEE DIAGRAM 3.)

NOTE: On Ford F150 the bottom of the light bar assembly is located by a sheet metal ridge in the body. Only side side centering measurements are required.

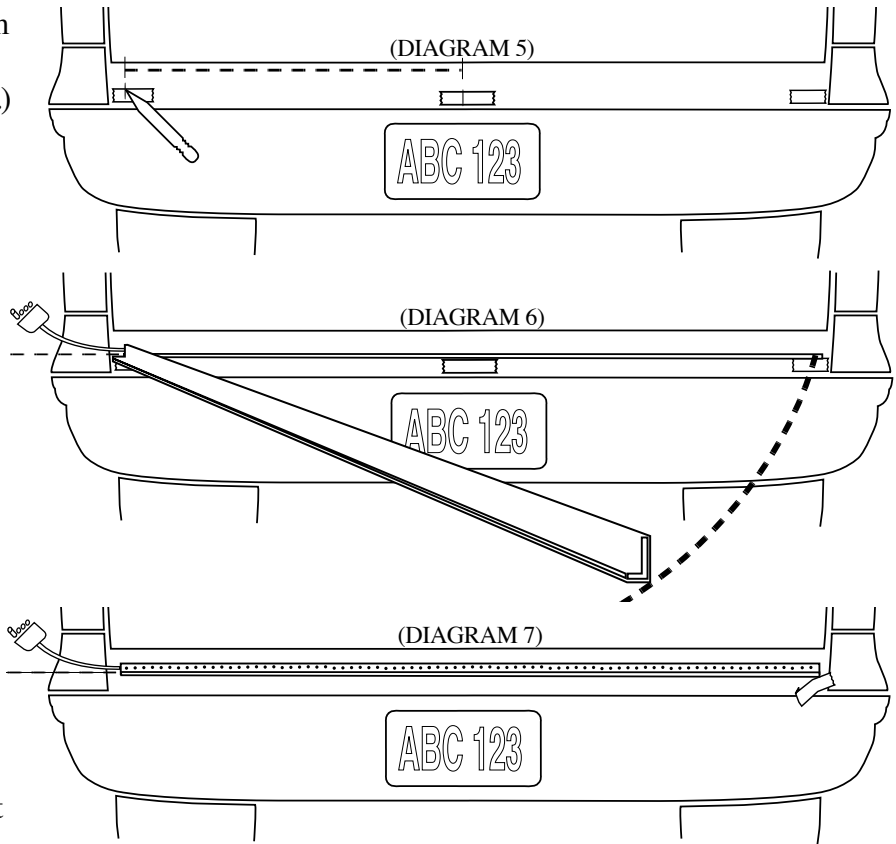
After removing the light bar assembly, make sure that the top edge of all three tape strips are at an equal height. Accurately determine the side to side location by first marking the truck centerline on the center tape strip. (DIAGRAM 4.)



Measure to the left 30 inches from centerline and mark this location on the left tape strip. (DIAGRAM 5.) The left end of the light bar assembly will start at this left mark, and the bottom edge of the light bar will be placed in line with the top edge of the tape strip.

**3. MOUNTING ASSEMBLY.**

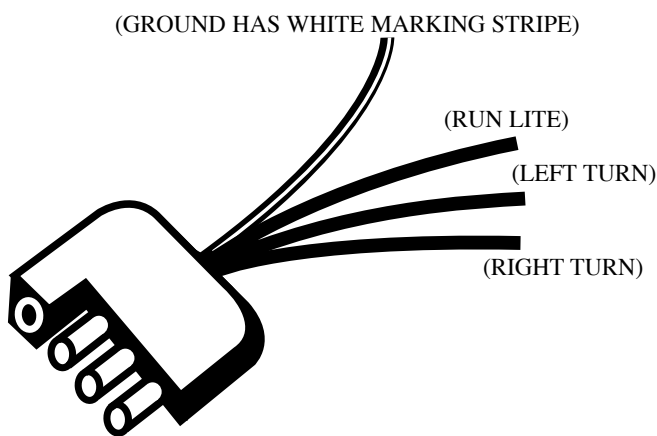
Peel off the adhesive tape backing while being careful to not contaminate the adhesive surface with fingerprints or dirt. At the drivers side pre-marked location touch down the light bar at the marked tape for the left to right centering. Make sure bottom edge of light bar is in-line with the top edge of tape. **AT THIS TIME DO NOT APPLY A LOT OF PRESSURE.** You may want to adjust the alignment of the light bar later. Touch down the center section of the light bar at its marked location, and finally the right side. If the light bar is not straight and level pull up the adhesive taped areas lightly and reposition. (DIAGRAM 6.) Remove location tape strips (DIAGRAM 7.)



**4. ACTIVATING THE TAPE TO PROMOTE FULL BOND.** 3M’s technical sheets for VHB tape require that 15# of pressure be applied to product. We advise using the plastic or wood handle of any tool and press firmly along the light bar at tape adhesive locations. **DO NOT PRESS ON THE CLEAR LED LIGHT STRIP.** VHB tape will gain 50% of strength in 20 minutes and full bond in 3 days.

**5. ELECTRICAL HOOKUP.** Use the supplied tie wraps to hold the wire bundle up and out of view behind the bumper. Plug the connector in the vehicles standard flat four-pin trailer light connector if it is available on your vehicle. If your vehicle has a round four-pin trailer light connector, a widely available adapter can be purchased to convert it to a flat four-pin connector.

If your vehicle does not have a trailer light plug, you can clip off the light bar four-pin connector and hard wire the leads directly to the vehicle taillights using the diagram below.



A few vehicles utilize different bulb filaments for stoplights and turn signals. In this case a widely available adapter is required to go from a five-wire system output to a standard four-wire trailer light input. Another option in this case is to connect the left and right wires identified in diagram and connect them to the vehicle brake light wire. If this is done, only the light bar running lights and brake light function will operate and not the turn signals.

Altec warrants against manufacturing defects for one year from the date of purchase. Mail defective product directly to Altec post paid.

