



**1990-1993 Mustang
CLASSIC LIGHT BAR INSTALLATION INSTRUCTIONS
CDC # 101000**



Kit Components:

- 1 – Light Bar
- 4 – Bolts ($\frac{5}{16}$ "-18 x 2.5") #182010
- 4 – Washer #182005
- 4 – Shims #182009
- 2 – Dark Blue Connectors #182004
- 2 – Light Blue Connectors #182003

Tools Requires:

- Phillips Screwdriver
- $\frac{3}{8}$ " Drive Ratchet
- $\frac{3}{8}$ " Drive Swivel
- $\frac{3}{8}$ " Drive Extension 10"
- $\frac{1}{2}$ " Socket
- $\frac{7}{16}$ " Socket
- Center Punch
- Drill Motor
- $\frac{1}{8}$ " Drill Bit
- $1\frac{3}{4}$ " Hole Saw
- $\frac{5}{16}$ "-18 Tap
- Wire Crimper
- Duct tape
- Masking tape $\frac{3}{4}$ "

Notes:

The bolts provided are self-threading; however, it is helpful to pre-thread the holes in the vehicle with a $\frac{5}{16}$ "-18 Tap to ease the installation of the $\frac{5}{16}$ "-18 Bolts
The Classic Light Bar is NOT intended to protect in the event of a rollover.

Classic Light Bar Patented: All rights reserved by Classic Design Concepts

INSTALLATION PROCEDURE 1990 – 1993 Mustang

1. Lower Convertible Top

2. Remove Rear Seat:

- a. Remove lower cushion by pushing reward and up on front edge to release attachments, remove from vehicle.
- b. Remove two lower fasteners attaching rear seat back cushion, one on each side. Slide rear seat back cushion downward to release the upper attachments and remove from vehicle.



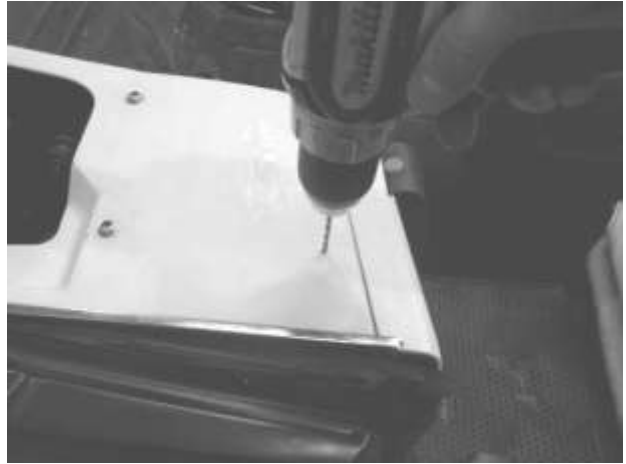
3. Remove rear speakers from rear quarter panel trim:

- a. Remove the screws securing speaker cover assembly to the quarter panel.
- b. Unplug the speaker from the harness and remove the screws securing the window switch to the assembly.



4. Prepare Quarter Panels for the Light Bar:

- a. Cut out Template (supplied in kit) and place on the Passenger Side Quarter Trim Panel. Align Template as directed by the notes on the Template. Center punch the **Light Bar hole location**. Remove the Template and drill a 1/8" pilot hole. The pilot hole **MUST** continue deep enough to penetrate the metal plate attached to trim panel **AND** through the galvanized bracket approximately 1 1/2" below trim panel.
- b. Flip Template over to mark and drill the Driver Side Quarter Trim Panel. Align Template as directed by the notes on the Template. Center punch the Light Bar hole location. Remove the Template and drill a 1/8" pilot hole. The pilot hole **MUST** continue deep enough to penetrate the metal plate attached to trim panel **AND** through the galvanized bracket approximately 1 1/2" below trim panel.



CAUTION:

Be careful not to let drill bit slip out of location/alignment while drilling. Incorrect hole placement may hinder adjustment clearances.

- c. Center 1 3/4" Hole Saw at pilot hole (marked in steps A & B) and drill through trim panel, metal backing attached to the trim panel and galvanized bracket below trim panel.

5. Locate and remove two bolts in each lock pillar, behind trim panel:

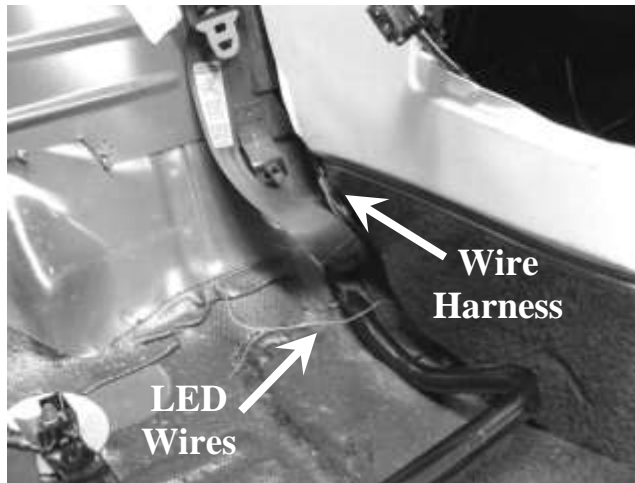
- a. Access through speaker opening and trim the dust cover to expose the mounting bolt locations (driver side shown). Remove the factory bolts (these will **not** be reused).



6. Installation of Light Bar:

- a. With assistance, align Light Bar with holes in the trim panels. Route light bar wire through the hole in left trim panel and out from the trim panel to seat cushion area.
- b. Lower Light Bar into holes, careful not to pinch the LED wire. Check that bolt holes in lock pillar line up with the slots in the Bar and that the Bar sits flush to trim panel tops. If adjustment is needed file holes in the trim panel(s) to allow Light Bar adjustment to obtain proper fit.
- c. Locate the Wire Harness below and just behind the driver Side quarter trim panel. Cut the tape covering the harness and locate these wires:

Red with Green Stripe = Positive (hot)
Solid Black = Negative (ground)



- d. Attach one Dark Blue T-Tap Connector (supplied in kit) to each of these wires.
- e. Attach a Light Blue Connector to each of the LED wires.
- f. Plug the LED Connectors into the T-Tap connectors and step on the brake peddle to verify LED function.

NOTE:

The LED is polarized. If LED does not light swap wire connections and recheck. Light should illuminate only when the brake pedal is depressed.

- g. Wrap connections with electrical tape.

7. Bolt Light Bar into place:

- a. Start the attachment bolts into their locations, do not tighten at this time.
- b. Wrap Light Bar with Duct Tape (as shown).



Note:

Wrapping Light Bar with duct tape will protect it if contact with convertible top occurs as convertible top nears full up position.

Due to differences between vehicles, adjustment of light bar at mounting points may be necessary. Installing shims (supplied in kit) between Light Bar and lock pillar on right side will move Light Bar to the left. Installing shims between Light Bar and lock pillar on left side will move Light Bar to the right.

- c. Carefully move convertible top to the up position while checking clearance between Light Bar and convertible top mechanism. **IF Light Bar contacts convertible top mechanism, shim the Light Bar as noted above.**
- d. Once light bar is adjusted to fit without contacting top mechanism, tighten Light Bar bolts. Recheck clearances and lower convertible top.

Caution:

Do not over tighten light bar bolts, as damage to threads will result. Use Thread Locker on mounting bolts threads.

- e. Remove the Duct Tape from the light Bar; clean any tape residue from vinyl.

8. Finishing the Installation:

- a. Reconnect the speakers and window switches to the speaker cover assemblies and reinstall rear speaker assemblies.
- b. Install rear seat back by aligning slots in the upper seat back frame with upper mounting tabs on body, slide seat upward to engage tabs and install lower bolts.
- c. Install rear seat cushion and push rearward and down to engage front lower attachments.