

# Install Instructions

## Mustang Light Bar - 1990-93

### ***Kit Components: 84-89 Light Bar Package***

- *1- Light Bar*
- *1 - Bracket & Bolt Kit, 4 bolts, 10 Shims*
- *1 - Wire Connectors*
- *Instructions Sheet*

### ***Tool List***

- *Phillips Screw Driver*
- *3/8" drive socket set*
- *Drill Motor*
- *1 - 3/4" hole saw*
- *1/8" drill bit*
- *Saw*
- *Razor Knife*

### ***Kit Components: 90-93 Light Bar Package***

- *1 - Light Bar*
- *1 - Bracket & Bolt Kit*
- *1 - Wire Connectors*
- *Template*
- *Instruction Sheet*

### ***Tool List:***

- *Phillips Screwdriver*
- *3/8" drive socket set*
- *Drill Motor*
- *1- 3/4" hole saw*
- *1/8" Drill Bit*
- *Wire cutting-splicing pliers*
- *Duct tape 2"*
- *Masking tape 3/4"*

### ***1984-89 Instructions - (90-93 see below)***

1. Lower Convertible Top.
2. Remove rear seat, lower cushion by pushing down and rearward on front of cushion to release front lower attachments. Once front attachments are released, lift lower cushion up at front and remove.
3. Remove two lower fasteners attaching rear seat back assembly, slide rear seat back assembly downward to release upper attachments and remove.
4. Remove screws in quarter panel interior trim panel and rear screw in sill plate and remove panel as shown in figure 1.
5. Remove tow bolts in each lock pillar as shown. Pre-thread light bar bolts supplied in kit into lock pillar to properly thread them, remove bolts as shown in figure 2.
6. Without tightening bolts completely, install light bar placing spacers (washers) between lock pillar and bar as shown. Note that indentations in light bar provide clearance for seat belt guide loop as shown in figure 3.

***Note:*** *Wrap light bar with duct tape to protect from contact with convertible top mechanism as shown in figure 4.*

7. Carefully move convertible top to full up position to check clearance of light bar to convertible top mechanism.

***Note:*** *Due to differences between vehicles, adjustment of light bar at lock pillar on right side will move light bar to left. Installing spacers between light bar and lock pillar on left side will move light bar to right.*

8. If light bar contacts convertible top mechanism, add shims (washers) to the mounting brackets as noted above.
9. Once light bar is adjusted to fit inside convertible top mechanism without contacting mechanism, tighten

light bar bolts.

10. Locate wiring connector for stop light on trunk lid. Locate the red/orange wire and black wire.

11. Using wire connectors provided, attach power lead wire from light bar to red/orange wire in wiring harness and ground wire from light bar to black wire in wiring harness.

12. Check function of stop light on light bar. Light should only come on when brake pedal is depressed. Light should not come on at any other time. If light does not function properly reverse connection of wires.

13. Straighten staples attaching quarter glass seal to quarter trim panels and remove seal.

14. Separate plastic welds attaching plastic edge molding to trim panels using a putty knife and remove edge molding from trim panels.

15. Position template on trim panel and drill a 1 3/4" hole for light bar tube clearance.

16. Using a razor knife, cut a slit in vinyl veering between 1 3/4" hole and edge of panel and peel back vinyl to expose trim panels.

17. Cut out trim panels with a saw.

18. Cut a 3/4" piece off of the section of trim panel removed in step 17.

19. Loosely install quarter trim panels.

20. Assemble quarter glass seals to edge moldings, re-using staples in seal. Position seal and molding assembly as it would appear in its installed position.

21. Slide trim panel further into its install position and install 3/4" trim panel piece (cut in step 18) under vinyl trim, gluing it to the vinyl trim by using 3M General Trim Adhesive or equivalent.

22. With vinyl glued down, slide trim panel into molding/seal assembly and install screws attaching trim panel to car.

23. Install rear seat back by aligning seat back frame upper slots and upper mounting tabs on body. Sliding seat back upward to engage tabs, and installing lower bolts.

24. Install rear seat cushion and push down and rearward to engage front lower attachments.

25. Enjoy your bar and do not hesitate to contact us at [tech@classic-designconcepts](mailto:tech@classic-designconcepts) or call 248-624-7997.

## **1990-93 Installation Instructions**

1. Lower Convertible Top.

2. Remove rear seat lower cushion by lifting up on front of cushion to release front lower attachments. Once front attachments are released, lift lower cushion up at front and remove.

3. Remove two lower fasteners attaching rear seat back assembly, slide rear seat back assembly downward to release upper attachments and remove.

4. Mark rear speakers in rear quarter panel trim.

5. Mark rear quarter interior trim panels to be drilled for light bar tube installation by positioning template on top of trim panel and aligning edges. Tape template to trim panel molding with masking tape. Mark center of light bar hole on trim panel. Flip template over, align on opposite side trim panel, tape down and mark center of light bar hole.

6. Drill a 1/8" pilot hole in trim panels at center of holes marked in step 5. Once pilot hole is drilled in trim, continue drilling pilot hole through metal plate attached to trim panel and through galvanized bracket approximately 1 1/2" below trim panel.

**Caution:** *Be careful not to let drill bit slip out of correct location and alignment while drilling. Incorrect hole placement may hinder adjustment clearances.*

7. Center 1 3/4" hole saw at pilot hole and drill (from top down) through trim panels, metal backing attached

to trim and galvanized bracket as marked in step 5.

8. Remove two bolts in each lock pillar located behind trim panel.

9. Lay light bar on folded convertible top so that bottom ends of bar are laying next to holes drilled in trim panels and light at top of light bar faces down. Route light bar wire through left trim panel light bar hole, out from inside trim panel, and into trunk near harness connector for trunk mounted stop light.

10. Test fit light bar into holes. Check to be sure bolt holes in lock pillar line up and bar fits flush to trim panels. If adjustment is needed, file out light bar holes drilled in step 6 to achieve proper fit.

11. Locate wiring connector for stop light on trunk lid. Locate the red/orange wire and black wire.

12. Using wire connectors provided, attach power lead wire from light bar to red/orange wire in wiring harness and ground wire from light bar to black wire in wiring harness.

13. Check function to stop light on light bar. Light should only come on when the brake pedal is depressed. Light should not come on at any other time.

14. Wrap connections with electrical tape.

**Note:** Wrap light bar with duct tape to protect from contact with convertible top which may occur as convertible top nears its full up position in step 16.

15. Spacers will be required between steel tube and bolt holes in car. Temporarily, there are standard washers enclosed to be used as spacers. Tape 4-5 washers together to get proper spacing.

16. Install light bar spacer washers and bolts without tightening bolts completely and carefully move convertible top to full up position to check clearance of light bar to convertible top mechanism.

**Note:** Due to differences between vehicles, adjustment of light bar at mounting points may be necessary. Installing shims between light bar spacers and lock

*pillar on right side will move light bar to left. Installing shims between light bar spacers and lock pillar on left side will move light bar to right.*

17. If light bar contacts convertible top mechanism, shim the mounting brackets as noted above.

***Caution:*** *Do not over tighten light bar bolts, as damage to threads will result.*

18. Once light bar is adjusted to fit inside convertible top mechanism without contacting mechanism, tighten light bar bolts and lower convertible top.

19. Install rear speakers

20. Install rear seat back by aligning seat back frame upper slots with upper mounting tabs on body, sliding seat back upward to engage tabs, and installing lower bolts.

21. Install rear seat cushion and push rearward and down to engage front lower attachments.

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