

# LED Light Bar Mounting Guide



Installation of the LED Light Bar will vary greatly from one vehicle to another. These notes should help you determine the best location and mounting method for your vehicle.

The 10" (250mm) LED Light Bar weighs approximately 4.4lbs (2Kg) and the 20" (500mm) LED Light Bar weighs approximately 7.7lbs (3.5Kg). They both require a fairly solid mount to hold it securely in place. It may be possible to attach directly to the hood but this is not recommended, especially if the hood is of lightweight construction.

On the USUK Racing Subaru Impreza rally car we constructed a bracket and mounting bar assembly that held the LED Light Bar securely to the front bumper beam. After determining the best location for the light bar on the bumper (check operation with hood up and down) we removed the bumper cover and foam pad to expose the bumper beam. We welded two short (3-4") sections of 1.5" angle bar, perpendicular to the beam so that one of the surfaces faced upward to become a shelf that would support the mounting beam. This surface should be flush with the bumper cover after that cover is reinstalled. We created a mounting beam from 1.25" angle bar which was "boxed" at the ends. See diagram. On each of the supporting shelves we added two small pieces of 1.25" angle bar to form "walls" that would very snugly grip the boxed ends of the mounting beam. They were welded into place on the shelves. The bumper padding and cover had to be cut to accommodate the brackets and then were reinstalled. After fitting the mounting bar in place on the brackets we drilled a 1/4" hole through the combined assembly so that stainless steel high-tension push-button quick-release pins could be used to tightly bind the mounting bar to the bumper beam brackets yet still allow for easy removal. The LED Light Bar was mounted to the mounting bar.



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