

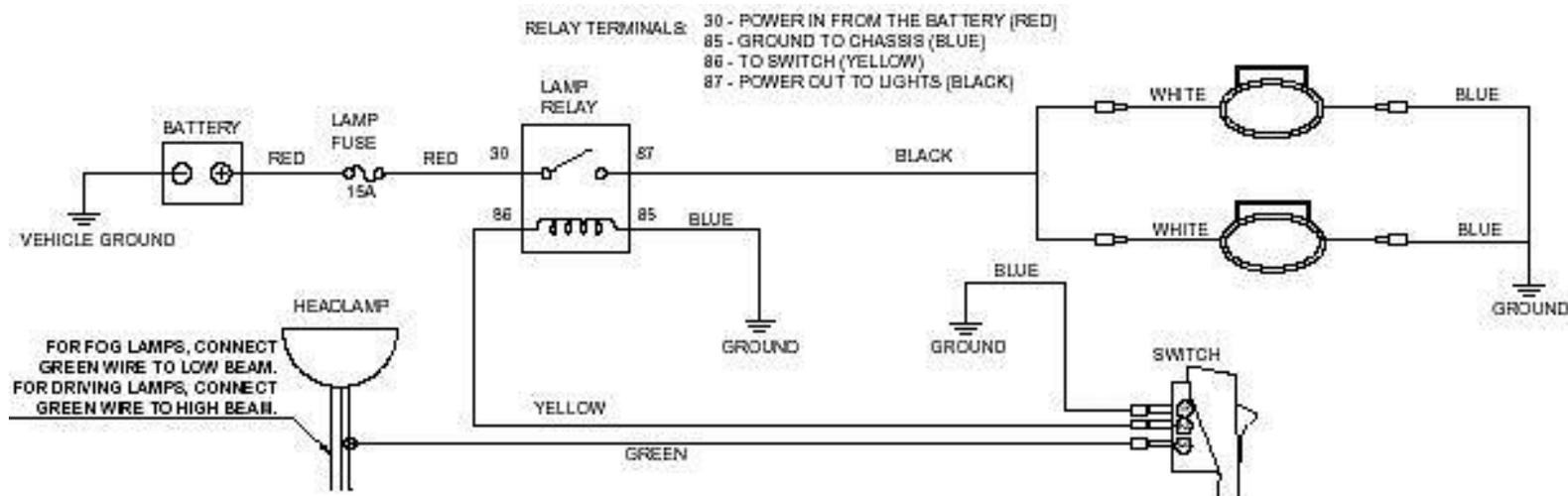
# How To Wire Fog And Driving Lights

## Mounting

Consult your local and state regulations regarding minimum and maximum mounting height above the ground, or specific requirements. Mount both of the lamps at the same height. Grille guards, light bars and bull bars make excellent mounting platforms. Cutting of air dam or front bumper cover may be required for custom installations. Position the lamps at an equal distance from the center of the vehicle and as far apart as possible. Make sure the auxiliary lamps do not restrict airflow to the radiator or obstruct the headlamps, turn signals, or marker lamps.

## Harness Wiring

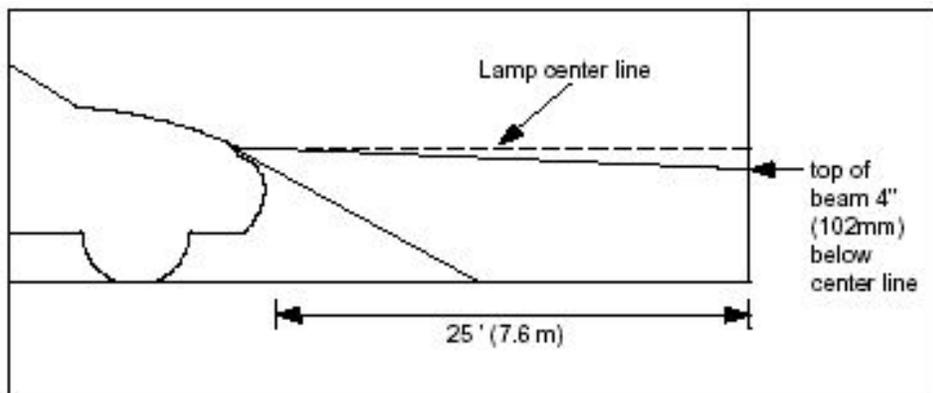
**Note:** This is a general wiring diagram. Use as reference only. Your lamp kit harness may have different wire colors.



1. Locate the low beam or high beam light lead on one headlamp by using a circuit tester. Use the following procedure: **For Fog Lights:** Turn on the low beam headlamps. Connect the end of the circuit tester to ground (-) and use the tester to locate the headlamp low beam lead. Turn off the ignition and the headlamps. Disconnect the battery. **For Driving Lights:** Turn on the high beam headlamps. Connect the end of the circuit tester to ground (-) and use the tester to locate the headlamp high beam lead. Turn off the ignition and the headlamps. Disconnect the battery.
2. Scotch-lock the bare end of the GREEN wire to the low or high beam lead. Connect the other end of the GREEN wire to the green switch wire terminal.
3. Attach the BLUE wires from the lamps to the vehicle ground.
4. Position the relay upright on the battery side of the engine compartment in an area that is not exposed to water spray, excessive heat or moving parts. Make sure the relay is mounted close enough to the battery so the RED power lead will easily reach the positive

- (+) terminal of the battery.
5. Connect the RED wire to the positive (+) battery terminal and to the relay terminal labeled 30.
  6. Route the BLACK wires from the lamps to the relay. Connect the BLACK wire to the lamp terminals and to the relay terminal labeled 87.
  7. Connect one BLUE lead to the vehicle ground and to the relay terminal labeled 85.
  8. Connect the other BLUE lead to the vehicle ground and to the blue switch terminal.
  9. Connect the YELLOW wire to the yellow switch wire terminal and to the relay terminal labeled 86.
  10. Test the operation of the lamps as follows: Re-connect the battery. Turn on ignition switch and low beam headlamps for Fog Lamps, or high beam headlamps for Driving Lamps. Activate auxiliary lamp switch. If lamps do not illuminate, check fuses and all wiring connections.
  11. Use wire ties to secure any slack portion of the harness in the engine compartment away from moving parts or excessive heat.

## Lamp Aiming



Loosen the stud or bolts securing the lamp to the bracket to adjust the lights up or down. Loosen the mounting bolts to the vehicle to adjust the lights left and right. Position the vehicle on a flat surface at a distance of 25 feet (7.6 m) from a wall. Measure the distance from the center of the lamp to the ground and mark off the same height on the wall. For Fog Lamps, adjust them so the top of the beam is 4 inches (102mm) below the center line mark on the wall. For Driving Lamps, adjust them so the bright spot of the beam pattern is on the centerline mark on the wall.

Courtesy of Hella USA