Fog Lamp Wiring Diagram

Important: Before fitting the lamps make sure that they do not prevent sufficient air reaching the radiator.
Attach pendant or upright (depending on version) below or above the bumper. Lamps should not vibrate or extend above the bonnet. They should be attached symmetrically.

One more Tip:
Keep the lenses clean. Dirt can absorb up to 80% of the light from the lamps. You drive safer when you can see and be seen.
Do you keep spare globes and fuses in your car?

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This symbol is a guarantee of quality!

ADR – APPLICATION AND MOUNTING INSTRUCTIONS
ADR: 50/00 FRONT FOG LAMP

LAMP MUST BE MOUNTED AS FOLLOWS:
- Fog lamp must be securely mounted and properly aimed, with the beam pattern ‘cut off line’ extending to 30 metres on the roadway ahead.
- Lamp reference axis to be parallel with the vehicle longitudinal axis.

ADR 13/00 INSTALLATION REQUIREMENTS:
- Geometric visibility:
  Vertical: From 5 degrees above to 5 degrees below the horizontal.
  Horizontal: From 10 degrees inboard to 45 degrees outboard.

LENS IDENTIFICATION NUMBER: 18227

<table>
<thead>
<tr>
<th>CATALOGUE NUMBER</th>
<th>ENGINEERING NUMBER</th>
<th>SE-FORM NUMBER</th>
<th>COMPLIANCE NUMBER</th>
<th>ADR 51/00 GLOBE</th>
<th>ADR APPLICABLE</th>
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<tbody>
<tr>
<td>1110</td>
<td>005 860-00</td>
<td>FF<em>1110</em>A</td>
<td>15218</td>
<td>H3</td>
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AMENDMENTS
ADR COMPLIANCE 
VERIFIED
ISSUE DATE: 1/12/1999

911-351-32
Installation Instructions for 161 x 90mm Comet 450 – Front Fog Lamp/s

Warning: The Motor Vehicle Regulations vary from State to State in relation to the accepted method of wiring, mounting and use of fog lamps. The circuit is suggested only and a check with the appropriate authority is advised. (Police Dept.).

Mounting
1. After ascertaining required position on the front of the vehicle, allowing enough space for adjustment, ensure that the lamps are fitted to a rigid point of the vehicle, such as the bumper bar. This minimises vibration transmission and possible adverse effects on beam alignment and globe life.
2. Drill an 11 mm hole for the lamp mounting bolt. Tighten bolts firmly.
3. When mounting relay ensure cable between battery, relay and lamps is kept as short as possible. Relay should be protected from water, dust and heat and mounted with the terminals pointing down.

Wiring procedure
(✓) Tick as completed.
1. ( ) Disconnect the earth cable from the vehicle battery.
2. ( ) Connect a 3mm cable from a fused supply which is active only when the vehicle front park and tail lamps are switched on (vehicle fuse box) to one side of the on/off control switch.
3. ( ) From the remaining terminal of the on/off control switch connect to terminal 86 of the relay.
4. ( ) Using the 4mm cable connect terminal 30 of the relay via a fuse to a major active supply (starter solenoid, alternator or battery).
5. ( ) Connect terminal 87 of the relay to both lights (globes) using 4mm cable and screw connector.
6. ( ) Connect terminal 85 of the relay to vehicle earth using 3mm cable.
7. ( ) SEE NOTE. Connect the earth cable inside the lamps to the earth terminal on the globe holder.
8. ( ) Thoroughly check all connections and wiring. Only then re-connect earth cable to battery.
9. ( ) Test and align lights, then finally tighten all mounting bolts.

Note: A separate earth cable may be required on some model lamps. This should be connected to the earth terminal on the globe holder and run back to the negative battery terminal or chassis rail using a min. 4 mm cable or equivalent size to that used to the globe. Separate earth cables are not required with other Hella lamps unless they are mounted onto an insulated surface.

Open housing and insert globe. Do not touch bulb with bare fingers! Use paper towel or similar.

“HIGHER WATTAGE GLOBES – For 3rd Edition ADR compliance ADR 51/00 globes (as listed against each part) must be used. Globes of a higher wattage than that specified must not be used in this lamp.

Fog light wiring diagram
The use of a Hella relay as supplied with fog light kits, when fitted and wired as shown in the wiring diagram, eliminates voltage loss to the lights and ensures maximum light output and prevents overloading of the vehicle's wiring and switches.

For lamps not supplied with relay

<table>
<thead>
<tr>
<th>Relay part no.</th>
<th>Fused</th>
<th>Unfused</th>
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<tbody>
<tr>
<td>3076</td>
<td>3077</td>
<td>3078</td>
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<tr>
<td>12 volt</td>
<td>24 volt</td>
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Hella part no. 8004 fitting instructions for stabilising bracket kit
It is recommended that the adjustable stabilising brackets part no. 8004 supplied with lamp 1163, 5640, Rallye 1000 and Rallye 2000 be fitted to ensure lamp remains steady.
After fitting lamp, remove plug or drill housing at rear, and fit one end of the bracket to lamp with screw and nut supplied. Attach other end to a suitable anchoring point on vehicle body.

SPARE PARTS

<table>
<thead>
<tr>
<th>HELLA PART NUMBER</th>
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<tbody>
<tr>
<td>Replacement Globe</td>
</tr>
<tr>
<td>Lens &amp; Reflector Insert</td>
</tr>
<tr>
<td>Lamp Body</td>
</tr>
<tr>
<td>Lens Cover</td>
</tr>
<tr>
<td>Mounting Bracket</td>
</tr>
</tbody>
</table>

Note: Replace globes with those having a wattage not exceeding that allowed by the manufacturer.