

Fitting Instructions for Ring Auxiliary Lamp Set

Tools Required

An electrical or Philips screwdriver
A hand drill with 8mm (3/8") drill piece
A 13mm (1/2") spanner
Terminal clamp or pliers

Components Required (Supplied as fitting kit in certain packs)
17 amp cable for 2 x 55w bulbs; 27 amp cable for 2 x 100w bulbs
A fuse box or in-line fuse holder (15amp fuse for 2 x 55w bulbs; 25 amp fuse for 2 x 100w bulbs)
A switching relay (either 4 or 5 pin)
A set of lucar connectors
An illuminated rocker switch (optional for driving lamps)

USEFUL ACCESSORIES

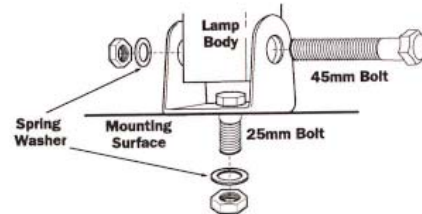
The Ring accessory light fitting kit contains all the electrical components necessary for wiring lamp sets RLFK200 (Prewired)

PREPARING THE LAMPS

Remove the two side screws and gently pull the bezel from the lamp body.
The lamp unit can then be removed from the rear housing.
Fit the grommet into the rear housing and pierce to allow cable to pass through.

FITTING THE BRACKET

Assemble the bracket for each lamp as per the diagram.
The spring washer should be on the outside of the bracket under the nut.



MOUNTING THE LAMPS

The lamps are suitable for fitting to grilles, valances or brackets above or below the bumper. Whichever is chosen, ensure the lamp is mounted rigidly and does not vibrate. An 8mm diameter hole must be drilled for the mounting bolt.

UK REQUIREMENTS ONLY LEGAL REQUIREMENTS

OTHER COUNTRIES CONSULT LOCAL REGULATIONS

When fitting a pair of fog or driving lamps you should obey the following legal requirements:

Fog and Driving Lamps should be positioned symmetrically; the same height from the road and the same distance from the sides of the vehicle.

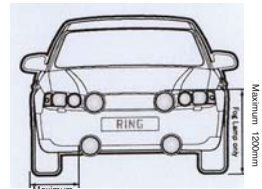
Fog Lamps should be fitted so that their outer edges are no more than 400mm (16") from the outer edge of the car.

Maximum height above ground 1200mm.

Driving Lamps can only be used with main beam and should be extinguished when headlights are dipped.

Fog lamps can be used on their own but should never be used unless visibility is seriously reduced.

There are no requirements for the positioning of driving lamps, but you should not DAZZLE any other road user.



FITTING THE BULB

1. Release the retaining spring in the light unit. Insert the H3 bulb ensuring it fits correctly against the location points. These are designed so that the bulb can only be fitted in the correct position. Replace the retaining spring so that the bulb is held in position.

IMPORTANT Handle bulb by base only. Do not touch the glass. If touched by mistake, clean glass with methylated spirit.

2. Connect a short wire to the earth tag on the reflector, pass the wire through the insulation tubing (to protect the wire from the heat of the reflector) and attach to a good earth point on the vehicle chassis. Ensure that there is good metal contact. Pass the wire from the bulb through the insulation tubing to protect the wire from the heat of the reflector before connecting the relay.

WIRING THE LAMPS

1. **Isolate the circuit.** Isolate either the main beam circuit (for driving lamps) or side light circuit (for fog lamps) by removing the relevant fuses (see handbook for fuse box)
2. **5 Pin Relays.** Having fitted both lamps to the front of the car, connect a length of cable to join each lamp to the relay. Connect terminals 87 and 87b to each of the lamp's bulb wire.
3. **4 Pin Relays.** Join the connecting wires for each lamp and run a common wire back to terminal 87 of the relay.
4. It is always advisable to fit a separate in-line fuse holder. Fit this as close to the battery as possible to minimise the voltage drop. Clip the fuse into position to protect the circuit.
5. Connect one end of the fuse box to the positive terminal of the car battery and the other end to the relay terminal no.30.

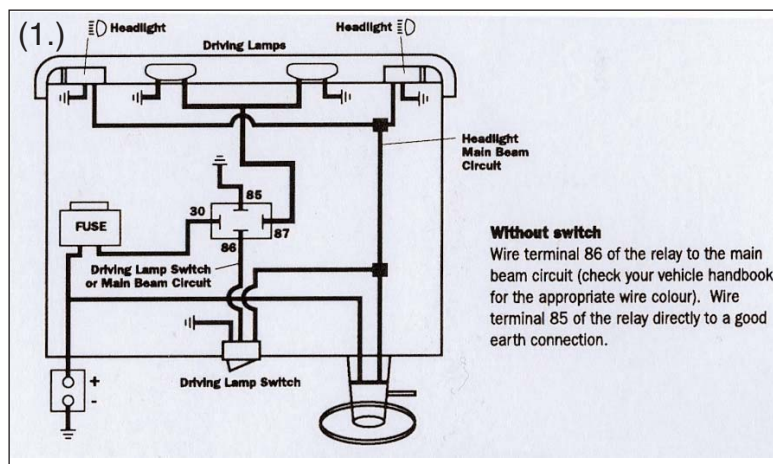
DRIVING LAMPS (1.)

Operate only when the car headlights are switched to main beam and go out when the headlights are dipped. It is possible to fit a switch to the dashboard which will enable you to turn the driving lights off if not required with the main beam. No separate switch simply means that auxiliary driving lights always operate with main beam.

With switch

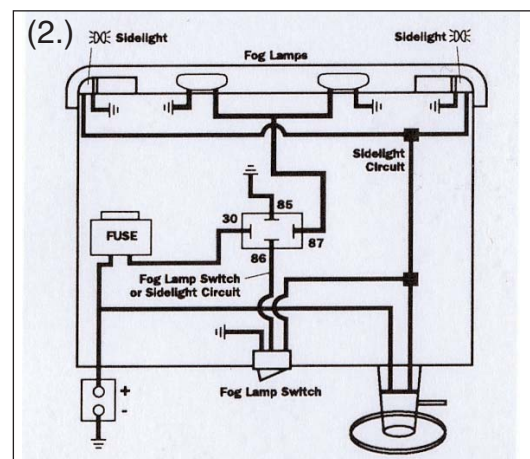
Wire terminal 86 of the relay to the illuminated switch terminal marked 'Acc'. Connect the switch terminal marked 'Power/Supp' to the main beam circuit. The third terminal marked 'GRN' should be connected to a good earth.

Wire terminal 85 of the relay directly to a good earth.



Without switch

Wire terminal 86 of the relay to the main beam circuit (check your vehicle handbook for the appropriate wire colour). Wire terminal 85 of the relay directly to a good earth connection.



FOG LAMPS (2.)

Can be used with or without headlamps and are operated by a separate switch mounted on a dashboard. Wire terminal 86 of the relay to the illuminated switch terminal 'ACC'. Connect switch terminal 'Power/Supp' to the side light circuit (check your vehicle handbook for the appropriate wire colour). The third terminal 'GRN' should be connected to a good earth.

ASSEMBLING THE LAMPS

Refit the light unit into the rear housing with the arrow (top) on the lens pointing vertically upwards. Do not trap wires behind the light unit. Refit the front bezel over the light unit and the rear housing. Secure the bezel with two screws through the side into the rear housing. Do not over tighten. Replace the fuses.

FITTING STONEGUARDS

Remove the two screws from the side of the bezel. Position the guard over the bezel. Locate the side arms into the bezel screw holes. Replace the screws. The recess should be at the bottom of the lamp.

FITTING DAY COVERS

Day covers simply slip into stoneguard. Release by gently lifting the cover using the small tab at its base. **DO NOT LIGHT THE LAMPS WITH THE DAY COVERS IN POSITION.** Day covers cannot be fitted without stoneguards.

Ring Automotive Limited

Gelderd Road

Leeds

LS12 6NA

Tel: +44 (0) 113 213 2000

Fax: +44 (0) 113 231 0266

Email: autosales@ringautomotive.co.uk

Web: www.ringautomotive.co.uk

