

## INSTRUCTION DATA

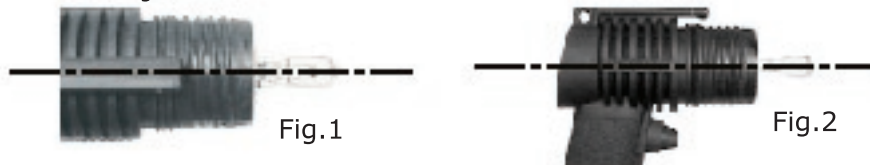
PRODUCT: **USE & SAFETY TIPS**

VER: **1.0**

DATE: **OCTOBER 2006**



1. DO NOT leave light connected to a power source when not in use.
2. DO NOT place light face down on ANY surface. If the light is switched on the intense heat generated may ignite the surface and cause a melt down of the lamp body.
3. Ensure all electrical connectors are secure - loose connections will generate excessive heat, damage wiring and cause electrical failure.
4. The outer lens should be washed clean with copious amounts of water and a clean sponge. Wiping it with a dry rag will scratch the lens, especially if the surface is dusty. NEVER clean the light with cleaning fluid or solvent.
5. DO NOT attempt to clean the inside of the light or touch the inside lens and reflector.
6. LIGHTFORCE handheld lights may be used in either polarity as they are not earthed via housing.
7. LIGHTFORCE lights are not designed to be used for long periods of time in a stationary position with minimal airflow, failure to comply will void warranty. Contact LIGHTFORCE direct to discuss alternative options such as reducing globe wattage.
8. GLOBE REPLACEMENT: The Xenophot® globe gives approximately 10% greater efficiency than any other Halogen globe of similar voltage. A number of optional globe strengths are available upon request. For removal, simply:
  - a) Rotate the reflector housing anti-clockwise to disengage it.
  - b) Remove old globe by gripping firmly and pulling out in the long axis direction of the globe.
  - i) DO NOT TOUCH NEW GLOBE WITH FINGERS, use a tissue or plastic sleeve. Prior to inserting a new globe, scrape the globe legs with an abrasive surface (sandpaper or knife edge) to ensure positive contact with the globe holder electrodes.
  - ii) Position the globe legs firmly into the fixed electrodes of the globe holder, applying a firm pressure towards the rear. AVOID jerking or twisting movements. NOTE: Globe can only be moved to the left and right NOT up and down.
  - iii) Mere placement of the globe into the globe holder is often not sufficient to give a properly fine tuned beam. The operator can overcome this by aligning the split line along the top of the rotation locking NIB and the split line on the end of the handle with the centre of the globe filament. (see Fig.1)
  - iv) Please note: when fitting a 12v vertical filament globe to your RSM, leave 3 -4mm clearance between the globe holder pins and the base of the globe, this will allow optimal focusing ability. The 12v 75W vertical filament globe is standard in RSM140 & RSM170 model lights.



- v) All other globes should be seated against the globe holder with little or no air gap.
- vi) Maximum globe wattage recommendation:

|                     |                 |
|---------------------|-----------------|
| <b>140 LANCE:</b>   | <b>12V 75W</b>  |
| <b>170 STRIKER:</b> | <b>12V 100W</b> |
| <b>240 BLITZ:</b>   | <b>12V 100W</b> |
| <b>PREDATOR:</b>    | <b>12V 30W</b>  |
| <b>ENFORCER:</b>    | <b>12V 35W</b>  |

**Note: USING GREATER WATTAGE WILL VOID WARRANTY**

9. FOCUSING MECHANISM: The patented focus mechanism allows precise adjustment of the beam to various concentration patterns as desired. Simply rotate the reflector and select the desired SPOT (not applicable for Predator & Stubby light models).
10. Shortening cable length can be responsible for VASTLY shortening globe life.
11. Ensure during use reflector surface is not wound too far forward past the globe holder or melting of the housing can occur and will not be covered under warranty.
12. We recommend wiring RM lights with a minimum 10 amp wire.
13. LIGHTFORCE AUSTRALIA PTY LTD shall not be liable for damage, malfunction, failure resulting from accident, misapplication, misuse, unauthorised repair, neglect, modification, unauthorised or non standard replacement parts, accessories, globes, batteries or voltage or the operation of the product beyond its technical and environmental specifications. The purchaser acknowledges that local laws may prohibit the use of some of the product on motor vehicles travelling on public roads and agrees that it is their responsibility to ascertain the effect of local laws.

## INSTRUCTION DATA

PRODUCT: **DRIVING LIGHT HARNESS**  
VER: **1.0**  
DATE: **MAY 2007**



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## DRIVING LIGHT HARNESS INSTRUCTIONS

1. Remove the main ground wire from the negative battery terminal.

**WARNING:** This may result in loss of radio security code and clock settings. Please consult your owners manual before disconnecting.

2. Install driving lights onto a suitable mounting surface.
3. Place all corresponding clear insulating terminal covers over the wires first, fit one female terminal and one male bullet terminal to both auxiliary driving light wires.

**NOTE:** On the RMDL Series any one of the two wires can be used as positive with the second wire as negative. On the DL series, strip 5mm of insulation and fit the male terminal onto the red wire (+) and the female terminal onto the black wire (-).

4. Find a suitable place within the engine bay (i.e inner guard) to mount the relay and fuse holder. Ensure that the yellow (+) and black (-) ring terminals reach the appropriate battery terminals.
5. Secure black with yellow stripe wire fitted with tongue terminal to body frame obtaining a good earth.
6. Insert relay into base.
7. Mount the switch in a suitable position.
8. Locate a grommet through the firewall and pass the brown wire and black with red stripe wire through the pierced grommet to the switch location.
9. Strip 5mm off the ends of the insulation of the brown wire and black with red stripe wire, then crimp a red terminal to each end, connect to left and right terminals on the switch.
10. Route the two insulated white (+) and black (-) wires to each of your installed Lightforce driving lights, connect the corresponding terminals together. Ensure your cables do not touch the radiator or come in contact with any sharp edges.
11. Secure all excess wire to the vehicle.
12. Using a multi-meter or test light find the active high beam switching wire located on the back of the head light. Connect "Ezy Tap" connector onto this wire.
13. Strip 5mm of the insulation from the brown wire and crimp pink blade terminal to the end, connect onto "Ezy Tap" terminal.
14. Connect the yellow ring terminal to the positive battery terminal.
15. Connect the black-wired ring terminal to the negative battery terminal then reconnect main ground (negative) wire to the negative battery terminal.
16. Test.

### If the lights do not operate correctly check the following:

- Recheck all installation steps.
- Inspect fuse holder for blown fuse.
- Inspect all ground wires for good earth.
- Check switch operation.
- Some automotive manufacturers use the negative circuit to activate the high beam, in this situation discard the open ring terminal with black and yellow stripe wire (A). Connect the remaining male bullet terminal (B) with the female terminal (C) on the black with yellow stripe wire taped to the yellow wire at the base of the relay.

**NOTE:** *This wiring harness is designed for the use of two lights only - not exceeding 9amps per light. Should extra light(s) be fitted additional wiring harness is required.*

## COMPONENT BREAKDOWN

