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Instructions for HL-85 and HML-85 Halogen Spotlights

Power:

1. The spotlight can be plugged into cigarette plug sockets, attached directly low voltage DC batteries, etc.
2. Each unit is configured for either 12 volts or 24 volts DC. The 12 volt models can be plugged into 12 volt DC power supplies, which most consumer vehicles operate on. 24 volt models can be plugged into a 24 volt DC power supply, generally for military and heavy equipment.
   Please note: *There is no difference in light output between a 12 volt and 24 volt model. Each unit is configured to a specific voltage and IS NOT interchangeable like the LED and HID models.*
3. Power transformers (DCP-11-DP) can be purchased through our website to run this halogen spotlight from household wall outlets.

Beam Adjustment:

1. The lens/reflector assembly is threaded onto the center post. Rotating the lens/reflector causes the beam to expand or contract. Counterclockwise rotation creates a wider flood beam. Clockwise rotation creates a narrower, longer spot beam.
2. The lens/reflector assembly can be removed completely to change to the red lens or while changing the bulb. Additional lenses can be ordered via our website (Clear lens part number: HL-XX-CL, Red lens part number: HL-XX-RL).

Replacing the bulb:

This spotlight takes a standard H-3 bulb and can be purchased through most automotive stores, or via our website (part number HL-8X-SB).

1. Remove the lens/reflector assembly by rotating counterclockwise until fully unthreaded. Pull the assembly out away from the light to remove.
2. Unscrew the chrome ring holding the bulb in place. The bulb will fall loose.
3. Remove the 4 screws at the rear of the housing that hold the top cover in place.
4. Disconnect the bullet connector holding the power wire to the light.
5. Insert the new bulb, wire first, and reconnect the bullet connector.
6. Replace the top cover and tighten the 4 screws.
7. Place the flat plate of the bulb into the mounting hole.
8. Replace the chrome ring and tighten into place. Ensure that the bulb has seated flush against the plate and there is no gap between the chrome ring and the shaft.

Detachable cords:

1. Each cord is attached via a weatherproof 2-pin Deutsch connector.

2. The cords are detachable by depressing the tab on the top of the connectors. This enables the operator to leave the cord connected to the power source and remove and store the light.
3. Additional or replacement cords can be ordered from our website. We offer 16 foot coil cords with a cigarette plug (C-16-CC-CP), 21 foot cords with ring terminals (C-21-RT), 16 foot cords with battery clamps (C-16-BC), and 16 foot straight cords with cigarette plugs (C-16-CP).

Mounting:

1. These units are handheld via the pistol grip handle, but can be mounted via the 3/8-16" brass nut fastener embedded into the base of the handle.
2. We offer a 100lb magnetic base (MM-2) for magnetic mounting, and a permanent mounting plate with swiveling and tilting bracket (PMB-4X4) for permanent mounting.

