USER INSTRUCTIONS

STRIKER IR
LED DRIVING LIGHTS.

LightFORCE®

TWIN PACK WITH INSTALLATION KIT CONTENTS

- 2 x Striker IR LED driving lights
- 2 x Spot filters
- 2 x Reversible mounts and hardware
- 1 x User instructions
- 1 x 12V harness installation kit
  - 1 x Driving light harness
  - 1 x Switch loom
  - 1 x Screw for relay installation
  - 15 x Cable ties.

SINGLE PACK KIT CONTENTS

- 1 x Striker IR LED driving light
- 1 x Spot filters
- 1 x Reversible mounts and hardware
- 1 x User instructions.

TOOLS AND CONSUMABLES REQUIRED

- Wrench to access battery terminals
- Ratchet with 3 inch extension
- 17mm deep and shallow socket
- Pointy nose pliers
- Wire cutters
- Drill
- 12mm drill bit
- Phillips head driver bit
- Flashlight (recommended)
- Torque wrench (recommended).

TOOLS AND CONSUMABLES REQUIRED FOR NON-STANDARD INSTALLATIONS

- 12mm socket
- Crimping tool.

FASTENER TORQUE SPECIFICATIONS

M10 x 35mm bottom and side mount bolts - 35Nm (26lb-ft).

IMPORTANT NOTES

1. Mounting points vary in design and load capacity, ensure the weight of the light (2.2lb per light with mount) is within manufacturer's recommended weight specifications before fitment.
2. Failure to correctly mount a light may cause damage to the light and your vehicle.
3. Night vision goggles or a night vision sight will be required to effectively use this product.

Visit lightforce.com/installations to view instructional videos.

TECHNICAL SPECIFICATIONS

- Power: 50 Watts
- Input voltage range: 10 – 30V
- Current draw: 3.5 Amps @ 13.2V
- LED estimated lifespan: 50,000 hours
- Operating temperature: -40° to 145°F
- Weight: 2.2lb (including mount).

FEATURES

- 15 x high quality IR LED chips providing consistent high performance with 850nM or 940nM wavelength
- Covert IR polycarbonate lens
- LED spot reflectors with the ability to use modular filters to produce a wide driving light beam pattern or flood diffusion filter for work light environment
- IP68 and IP69K resistant to water and dust ingress
- 2.95" slim footprint for multiple mounting options
- Reverse polarity voltage protection and waterproof connectors
- PCB designed with reduced electro magnetic interference
- Thermal overload protection protects the light from overheating
- Stainless fastners on 850nM model
- Black stainless fastners on 940nM model.
- Hard wearing UV stable powdercoat finish
- High-pressure diecast aluminum housing and bezel providing strength and weight reduction
- Impact-resistant polycarbonate filter for added protection
- Genuine Gore® waterproof membrane with mechanical seal
- Made in Australia.

GENERAL CARE AND SAFETY TIPS

To wash your lights, use plenty of warm soapy water and a soft cloth only (this prevents surfaces from marking). Never use any solvent based cleaners or industrial detergents when cleaning these lights as permanent damage may occur.

PERSONAL SAFETY WARNING

WARNING: High intensity IR light source.

850nM - CAUTION. IR emitted from this product. Do not stare at operating lamp. Staring at the light source for more than 10 seconds may cause eye injury.

940nM - CAUTION. IR emitted from this product. Do not look at operating lamp. Do not view the light source at a distance of less than 1 meter, for more than 5 seconds.

FIG 1. DRIVING LIGHT HARNESS

1. 40 amp relay
2. Insulated sleeved wires
3. Battery ring terminal (negative)
4. Battery ring terminal (positive)
5. 30 amp fuse
6. Driving light connectors
7. Dashboard switch loom connector
8. Dash illumination cable (optional).

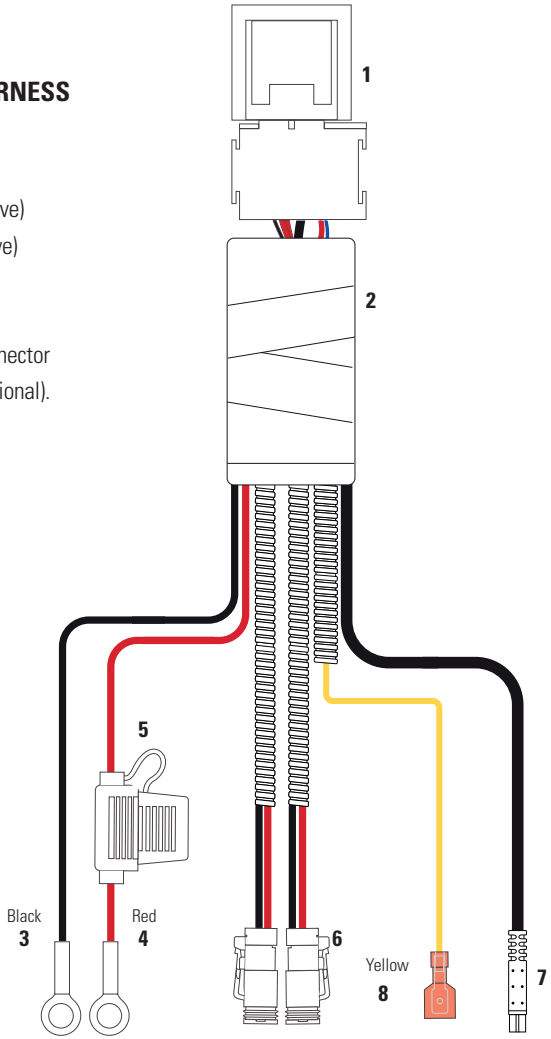


FIG 2. SCREW FOR FIXING RELAY

STEP 1. MOUNT THE LIGHTS

1. Remove the nyloc nut and M10 washer from M10 x 35mm bolt attached to the bottom of mounting bracket
2. Locate the bracket in a suitable position using the M10 x 35mm bolt. It is recommended that the base area of the mounting bracket is totally supported
3. Align the light to preferred driving position
4. Fit the washer and M10 nyloc nut, then tighten using a 17mm socket and ratchet to specified torque (26lb-ft). Do not use rattle guns
5. Tighten 2 x M10 x 35mm side bolts to recommended torque (35Nm).

NOTE: If you are using a different switch with dash illumination (not included), a Lightforce Switch Adaptor (not included, see Figure 9) will be required. Follow the instructions included with the Lightforce Switch Adaptor. The yellow dash illumination cable (item 8 in figure 1) will need to be wired to the dash light / park light circuit.

WIRING HARNESS INSTALLATION

STEP 2. INSTALL THE RELAY AND CONNECT THE LIGHTS

1. Lay out the harness to check length and positioning
2. 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 owner's manual before disconnecting
3. Mount the 40 amp relay (see figure 1) in a suitable place within the engine bay, using the screw supplied (figure 2) and your drill with a Phillips head driver bit. Ensure that the red (positive) and black (negative) ring terminals reach the appropriate battery terminals. DO NOT CONNECT RING TERMINALS TO THE BATTERY AT THIS STAGE
4. Route the insulated sleeved wires that run from the relay to the driving light connectors to each of your installed Striker LED Driving Lights and connect the driving light connectors to the back of each light. Ensure that cables do not touch the radiator or come in contact with any sharp edges
5. Secure all excess wire to the vehicle with cable ties supplied.

STEP 5. CONNECT THE DASHBOARD SWITCH LOOM AND DASH SWITCH

1. Route the dashboard switch loom connector (on the driving light harness) carefully through the vehicle's firewall using pointy nose pliers to pull the cable through. A flashlight will help you to see what you are doing. Be careful to avoid crushing the connector. Ensure the wires are kept away from any heat sources
2. Connect the dashboard switch loom connector on the driving light harness (see item 1, figure 1) to the dashboard switch loom pictured in Figure 7. Note: The notch on the switch loom and wiring harness must be aligned.
3. Find a suitable place on the dash to mount the dash switch.
4. Affix dash switch by removing the adhesive from the rear of the switch and attach to the desired location.

STEP 6. CONNECT TO THE BATTERY

1. Connect the ring terminal on the red wired battery connector to the positive battery terminal using a wrench
2. Connect the ring terminal on the black wired battery connector to the negative battery terminal using a wrench.

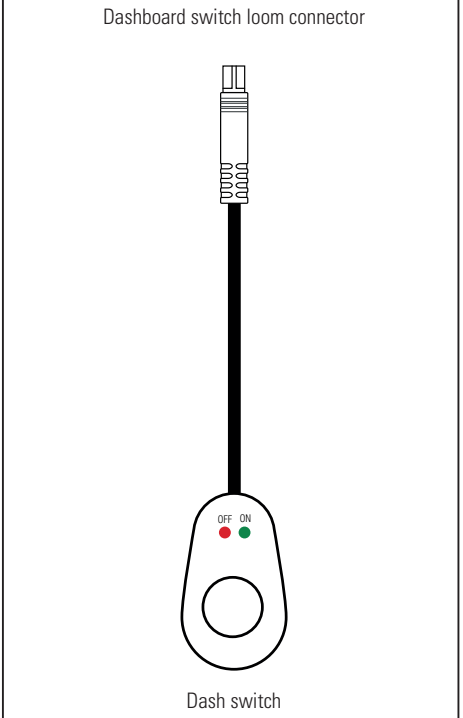
STEP 7. TEST

1. Test operation by flicking the switch. Night vision goggles or a night vision sight will be required to verify operation. If the lights do not operate, check steps 1 to 6 were completed correctly.

STEP 8. SECURE CABLES

1. Use the supplied cable ties to secure all loose cables and remove excess cable tie lengths using wire cutters.

Fig 7. Dashboard switch loom



STRIKER IR LED ACCESSORIES

SECURITY KIT (ATNSG2)

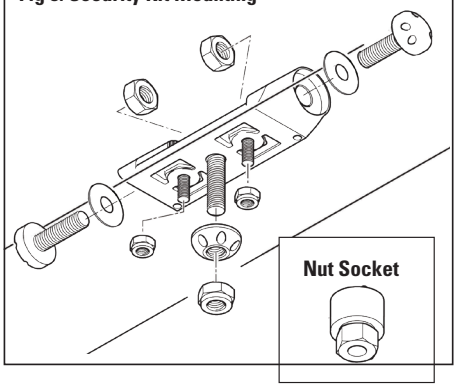
Simple-to-install security bolts and nuts help protect your investment against theft. This kit contains 4 x M10 x 35mm anti-theft bolts plus 2 x M10 security nuts for the mounting bolts, both with corresponding coded key requiring a 17mm wrench.

All bolts are machined from 304 stainless steel. The key will only fit the anti-theft bolts/nuts in one position. Coded key is machined from steel with zinc protective coating.

INSTRUCTIONS FOR SECURING LIGHT TO MOUNTING BRACKET USING THE SECURITY KIT

1. Remove the standard M10 bolts and washers from each side of the existing mounting bracket and fit the anti-theft bolts using the security nut socket, reusing the existing washers
2. Remove the standard M10 nyloc nut and replace with anti-theft nyloc nuts as per the diagram below.

Fig 8. Security Kit Mounting



DRIVING LIGHT FILTERS AND COVERS

Durable polycarbonate covers should remain fitted to driving lights at all times. Capable of absorbing road grime and bombardment for many years, these replaceable covers should be renewed from time to time to protect your investment and maintain maximum output.

Your Striker LED lights come standard with clear spot filters (STRIKERFCS).

Clear combo (STRIKERFCC) and clear flood (STRIKERFCF) filters are also available and can be used to achieve a wider driving light beam pattern or diffused flood of light.

STAINLESS STEEL BRACKET

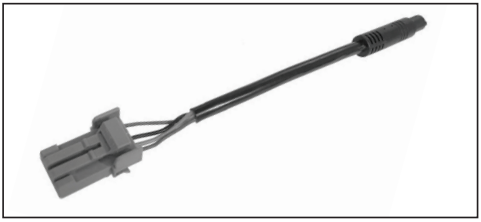
This stainless steel bracket (STRIKERLEDBKT) is supplied with an M10 x 35mm coach head bolt with a nut and washer. These can be used to mount a Striker LED vertically or horizontally to any solid surface and allows the user more flexibility in directing the light.

TUBE MOUNTING BRACKETS

Lightforce supplies a variety of tube mounting brackets to allow you to easily mount your Striker LEDs to common nudge and roll bars.

SWITCH ADAPTOR

The Lightforce Switch Adaptor (SWADP4) allows plug and play integration of various Lightforce vehicle specific OEM style switches, while retaining the standard Lightforce harness connector.



For warranty information and to register your product for warranty purposes, visit lightforce.com/warranty

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