

# EXM Light Kit Install

## Scorpion™ EXM Light Kit Installation Instructions



## PREPERATION

**NOTE:** Before beginning installation of the light kit, turn off power to the EXM monitor.

### Tools needed:

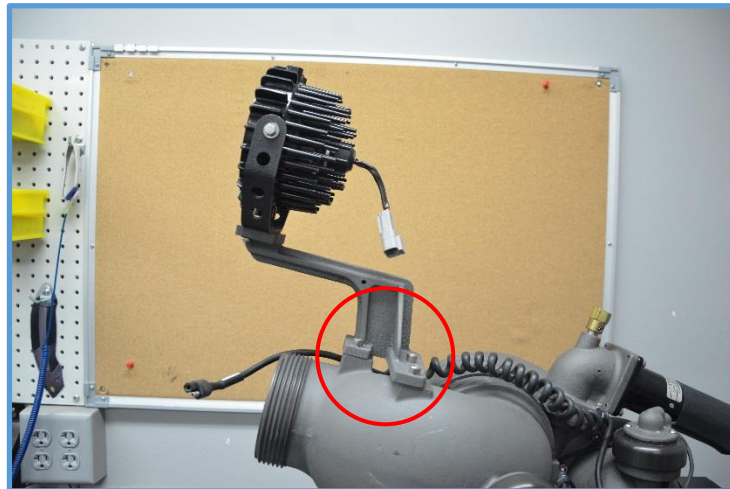
You will need the following tools to install the light kit.

- Allen Wrenches: 5/32", 9/64", 1/8"
- Slotted (Flat-Head) Screwdriver
- Phillips Screwdriver
- Blue Loctite #242 (or equivalent)



## INSTALLATION STEPS

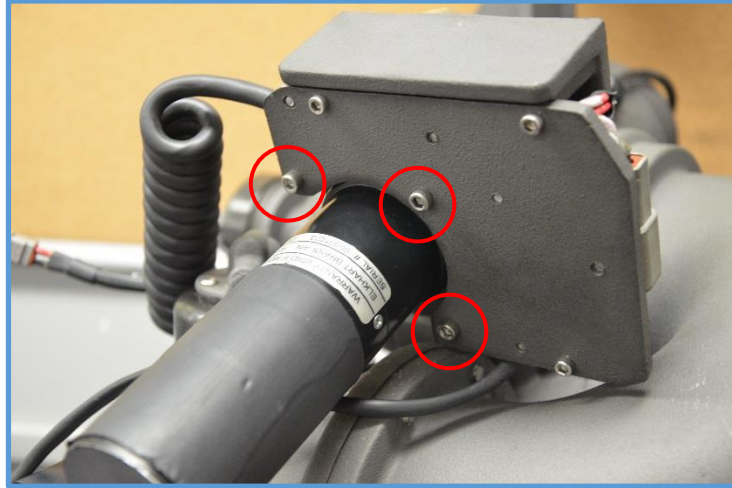
1. If a light was received with the ordered kit, mount the light onto the monitor discharge elbow with the provided 1/4"-20 screws. Apply blue Loctite #242 or equivalent to the screw threads. If a light was not received with the ordered kit, skip to step 2.



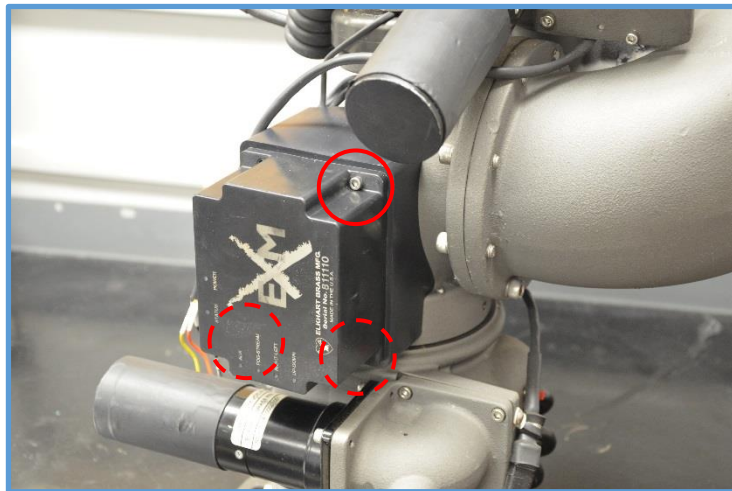
2. Remove and discard the three (3) 10-24 x 0.50" screws from the vertical motor housing.



3. Mount the supplied light bracket to the vertical motor as shown with the supplied 10-24 x 1.25" screws. Apply blue Loctite #242 or equivalent to the screw threads.



4. Disconnect the EXM control module from the monitor body by removing the three (3) 8-32 screws that hold it in place. Save these screws for later use.

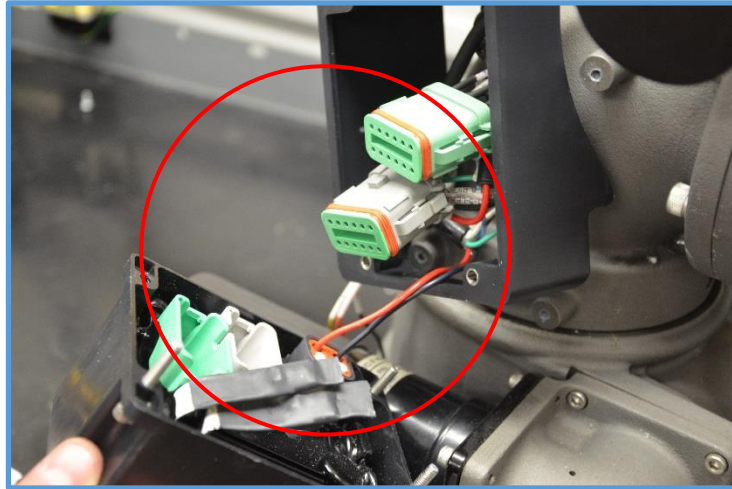


5. Remove the wire cover from the EXM module by removing the Phillips head screw. Save this part for later use.

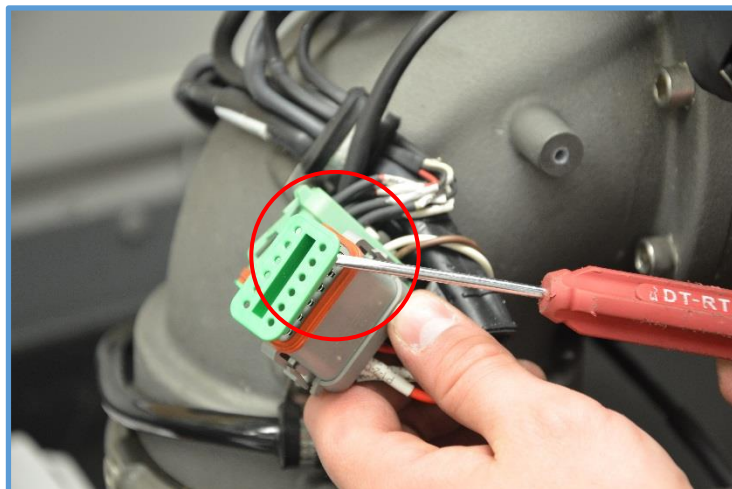




6. Disconnect the three (3) plugs from the control module. Set aside and save the EXM control module, wire cover, and screws in place where they will not be lost or damaged.



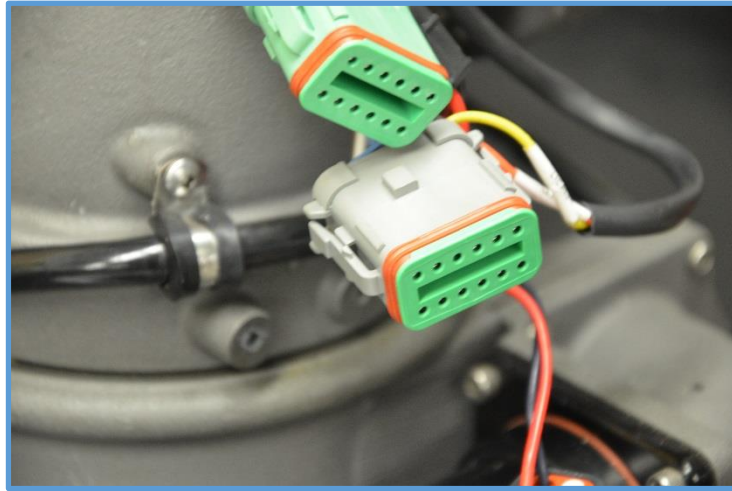
7. Remove the wedgelock from the gray 12-pin plug on the monitor harness with a small slotted screwdriver as shown. Set aside and save the wedgelock as it will be reinstalled later.



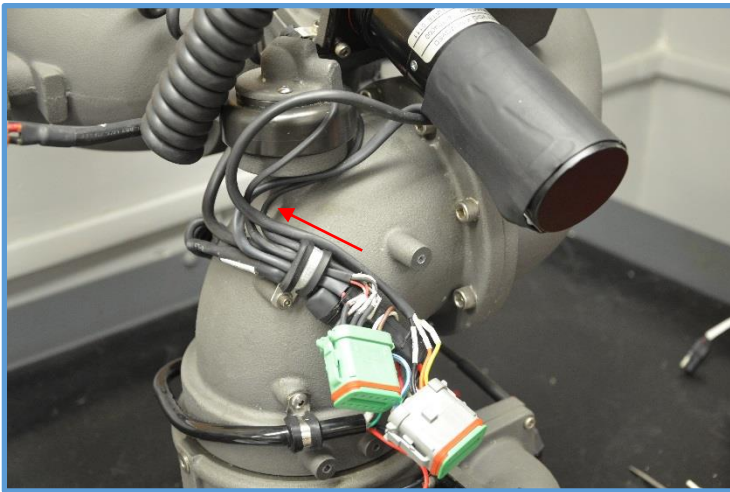
8. Remove the white cap plugs from position 7-9 and insert the yellow, orange, and black wires into pins 7, 8, and 9 respectively. Insert wires until a 'click' is heard, and the wires cannot be pulled out.



9. Reinstall the wedgelock into the 12-pin connector once all wires are securely in place.



10. Route the light kit yellow, orange, and black wires along the other harnesses as shown. Slide the wire cover back over the plugs and reconnect the three (3) plugs into the EXM control module. Ensure the plugs 'click' into place.



11. Reattach the wire cover to the EXM module with the previously removed Phillips head screw.

 **Warning: Over tightening screws may result in damage to the control module.**

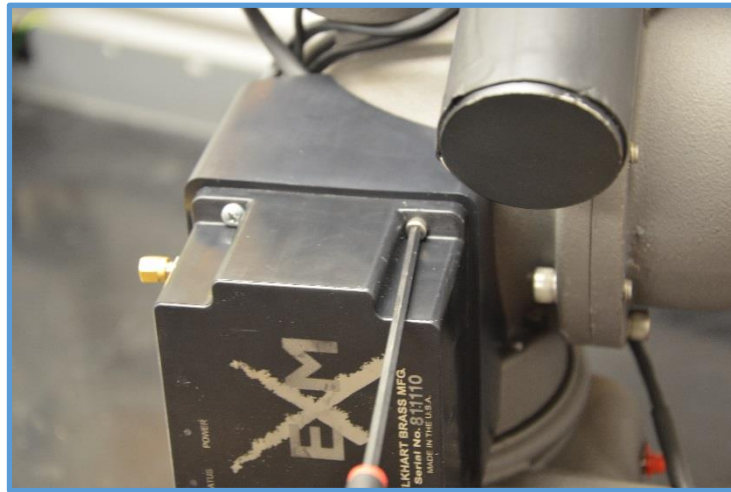




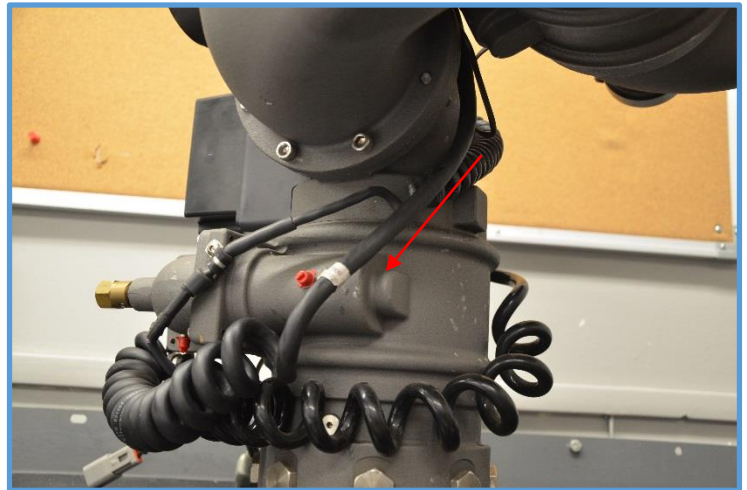
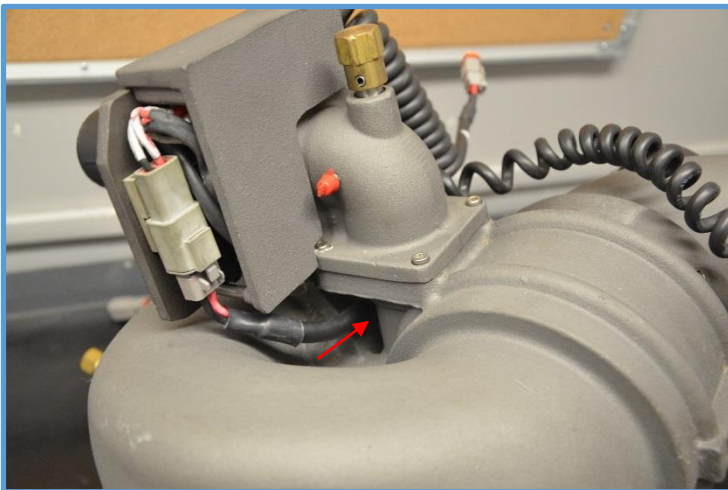
12. Reinstall the EXM control module to the monitor body using the three (3) previously removed 8-32 screws. Apply blue Loctite #242 or equivalent to the screw threads. Tighten these screws to 8-10 in-lbs.



**Warning:** Over tightening screws may result in damage to the control module.



13. Route the power harness under the vertical motor and around the monitor body as shown.



14. Remove the 10-24 screw in the location shown and clamp the light kit power harness in place with the supplied clamp loop. Apply blue Loctite #242 or equivalent to the screw threads.



15. Clamp the harness from the light kit to the light bracket shown with the supplied 10-24 screw and clamp loop. Apply blue Loctite #242 or equivalent to the screw threads. Connect the light harness to the light as shown.



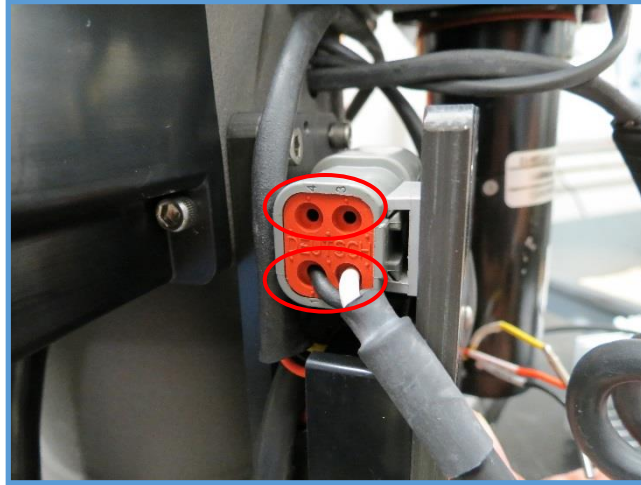
16. Power on the EXM monitor as well as the light kit, and test the operation of the light as outlined in the operation instructions section below.

## LIGHT KIT OPERATION INSTRUCTIONS

Power must be supplied to the EXM monitor, controllers, and light kit in order to operate the light kit.

To power on a light connected to the light kit, press and hold down the AUX button and press either FOG or STREAM. (On the joystick, roll the thumbwheel forward for STREAM and backward for FOG)

- A light plugged into pins 1 and 2 will turn on when FOG is pressed
- A light plugged into pins 3 and 4 will turn on when STREAM is pressed



To power off a light connected to the light kit, press and hold down the AUX button and press either FOG or STREAM a second time. (Joystick: forward=STREAM / backward=FOG)







ELKHART BRASS  
1302 WEST BEARDSLEY AVE  
P.O. Box 1127  
ELKHART, IN 46514  
PHONE: 1-574-295-8330 • 1-800-346-0250  
FAX: 1-574-293-9914  
WWW.ELKHARTBRASS.COM

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