ELKHART BRASS
FIRE FIGHTING EQUIPMENT A SAFE FLEET BRAND

EXM Light Kit Install

Sidewinder™ EXM Light Kit Installation Instructions

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PREPERATION

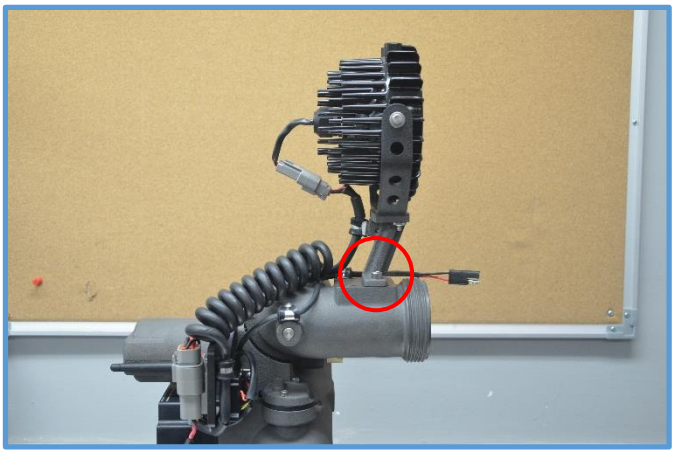
NOTE: Before beginning installation of the light kit, turn off power to the EXM monitor.

Tools needed:
You will need the following tools to install the light kit.

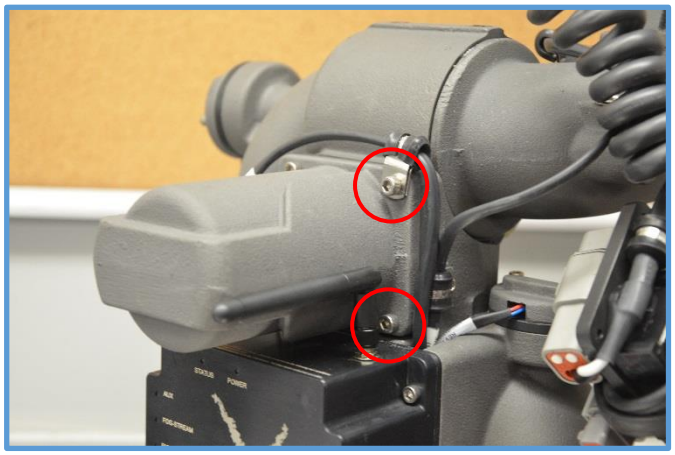
- Allen Wrenches: 5/32", 9/64", 1/8"
- Slotted (Flat-Head) Screwdriver
- Phillips Screwdriver
- Blue Loctite #242 (or equivalent)

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 button head 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.

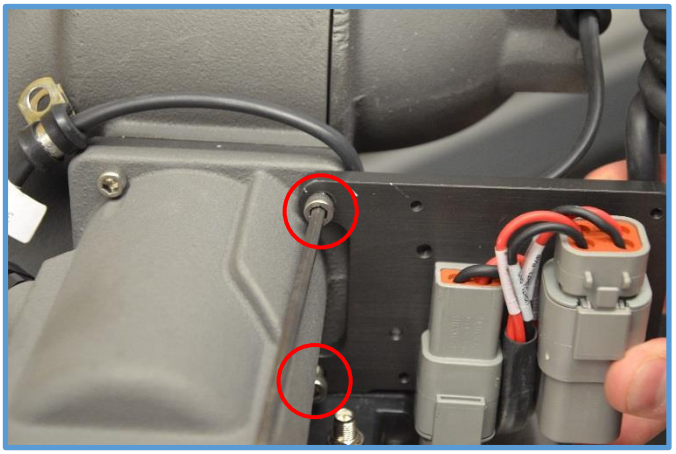


2. **SD Version Light Kit** – If the HD version light kit was ordered, skip to step 4 to begin install. Remove the two (2) 10-24 x 0.75" screws and wire clamp loop from the side of the vertical motor closest to the discharge as shown. These screws and wire clamp loop may be discarded.

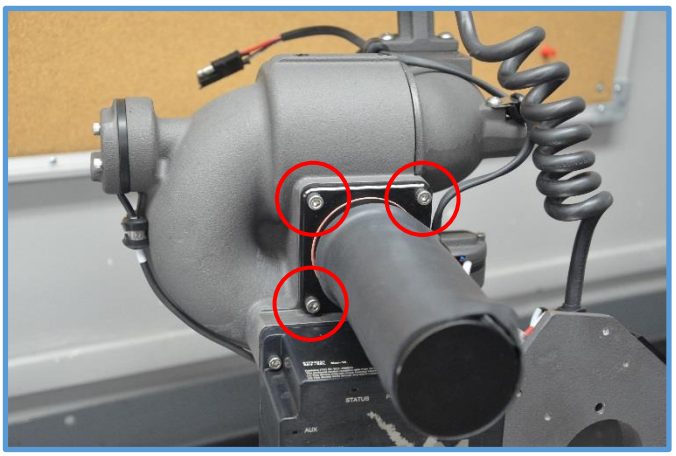


NOTE: If a wireless antenna is installed, you may need to remove it in order to remove the lower screw.

3. **SD Version Light Kit** – If the HD version light kit was ordered, skip to step 4 to begin install. Mount the supplied light bracket to the vertical motor as shown with the supplied 10-24 x 1.0" screws. Apply blue Loctite #242 or equivalent to the screw threads.

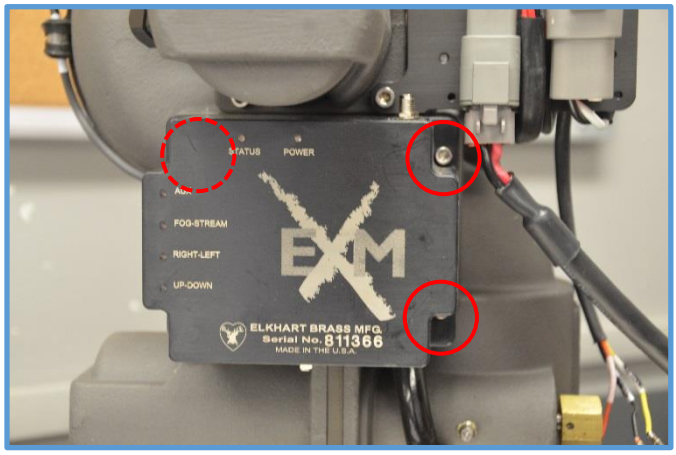


4. **HD Version Light Kit** – If the SD version light kit was ordered, skip to step 6 to continue install. Remove the three (3) 10-24 x 0.50" screws from the vertical motor as shown. You may discard them.

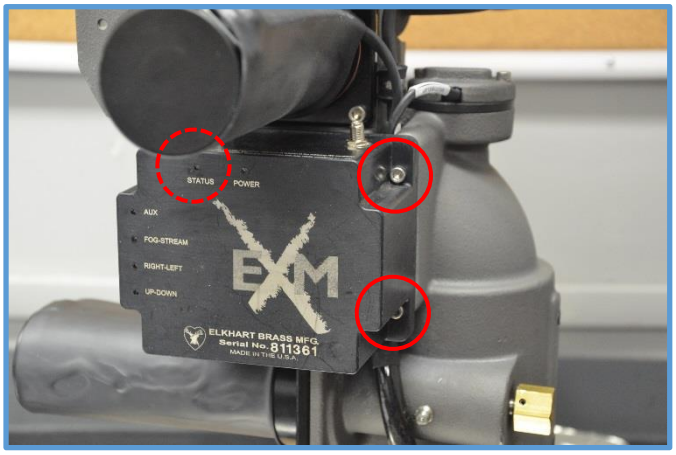


5. **HD Version Light Kit** – If the SD version light kit was ordered, skip to step 6 to continue install. Mount the supplied light bracket to the vertical motor as shown with the supplied 10-24 x 1.25" screws. Apply blue Loctite #242 or equivalent to the screw threads.

6. Disconnect the EXM control module from the monitor body by removing the three (3) 8-32 screws that hold it in place.

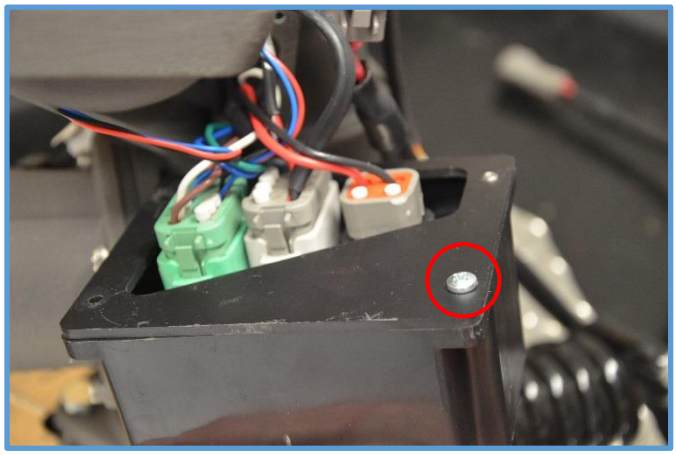


SD Version

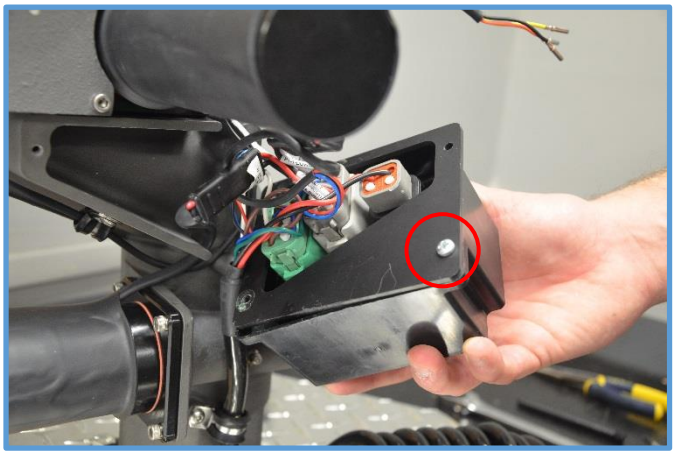


HD Version

7. Remove the back plate from the EXM module by removing the Phillips head screw.

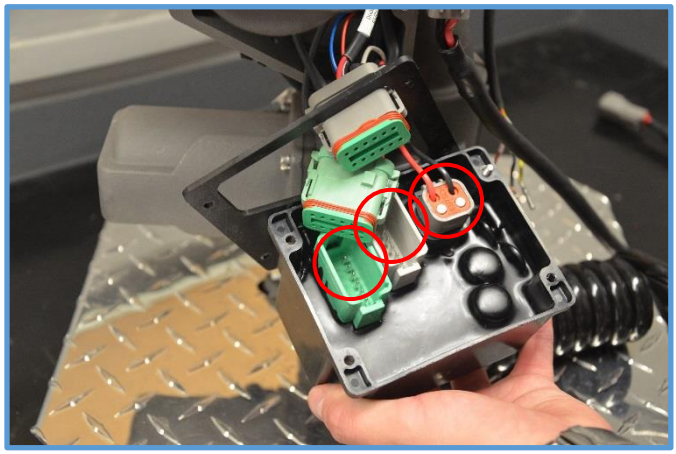


SD Version

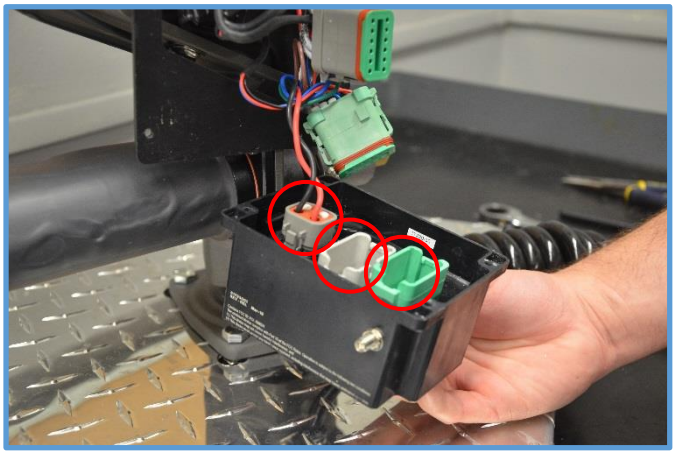


HD Version

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

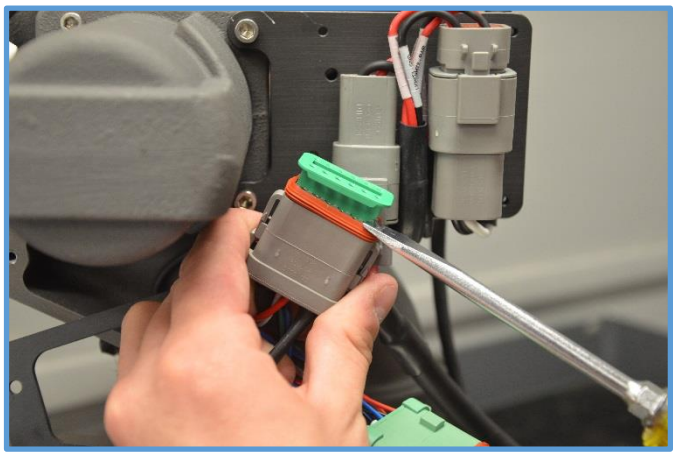


SD Version

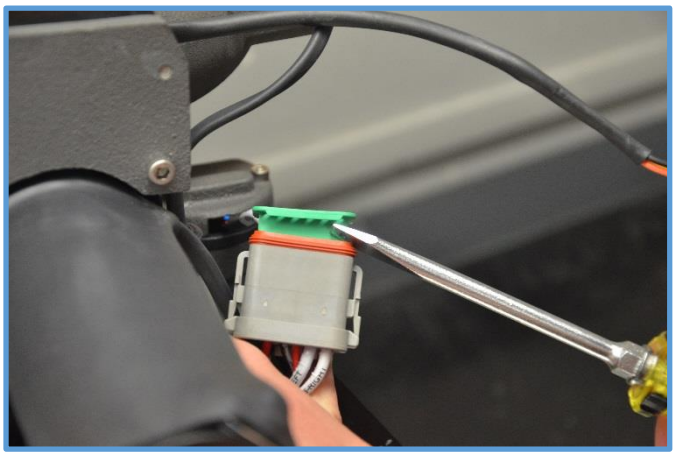


HD Version

9. 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.

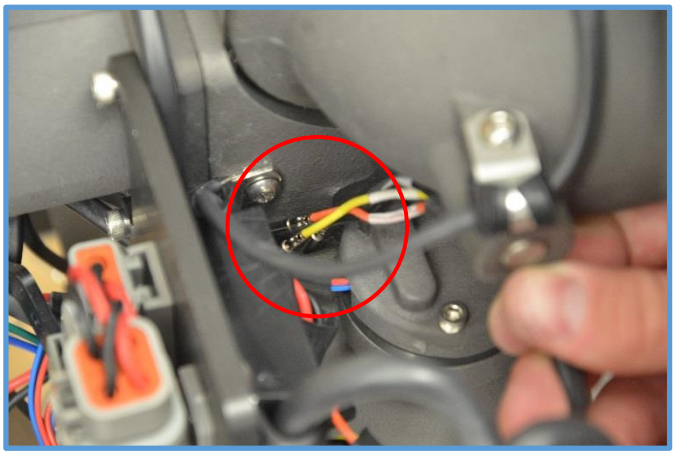


SD Version

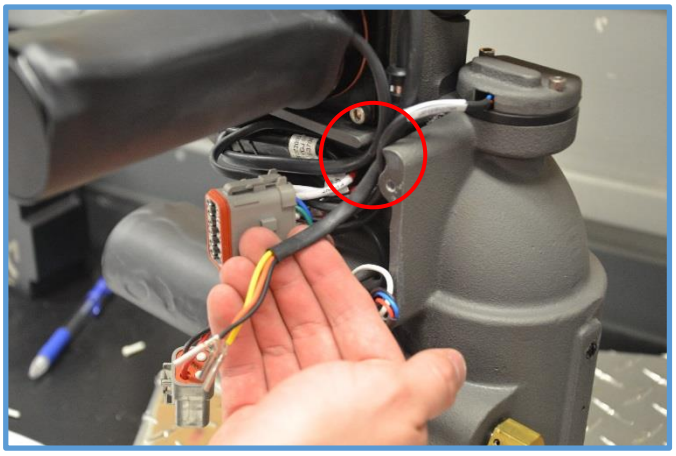


HD Version

10. Insert the yellow, orange, and black wire group through the wire channel as shown. For the SD, the wires will have to be fed through the top. For the HD, the wires can simply be inserted into the channel as shown.

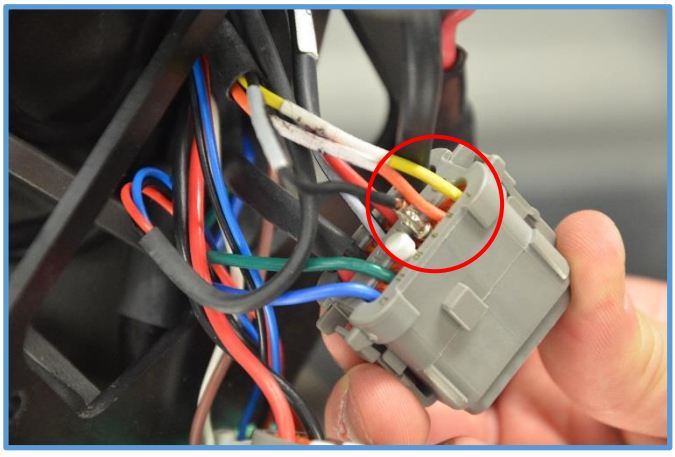


SD Version

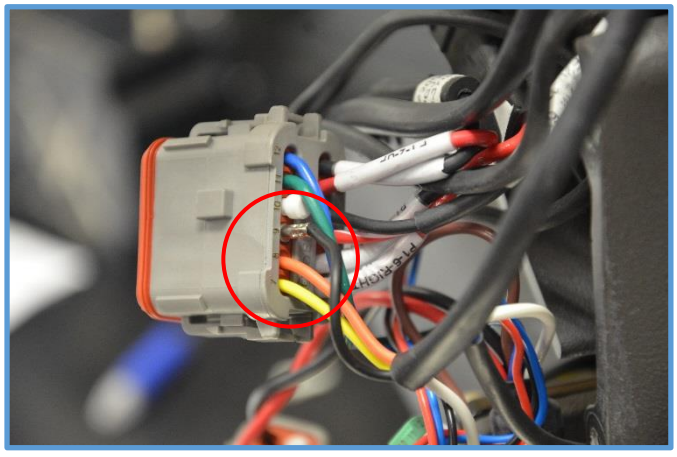


HD Version

11. 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.

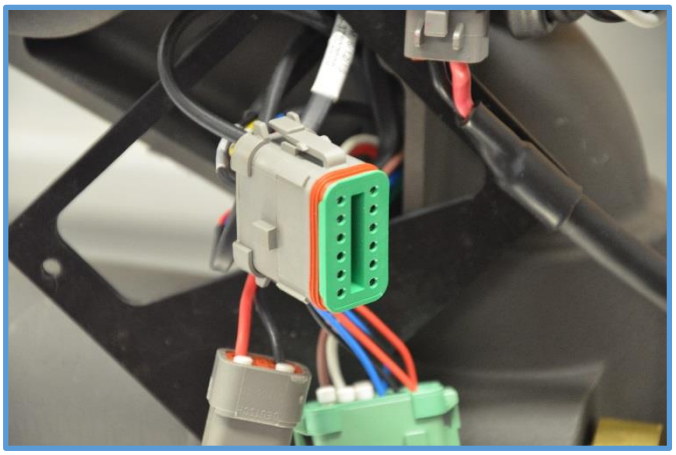


SD Version

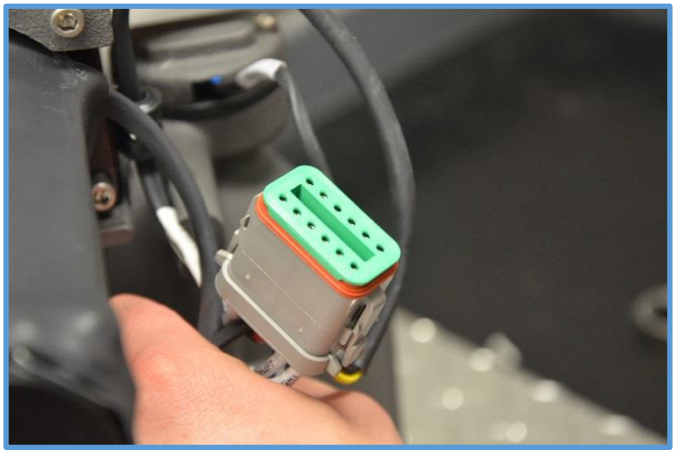


HD Version

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

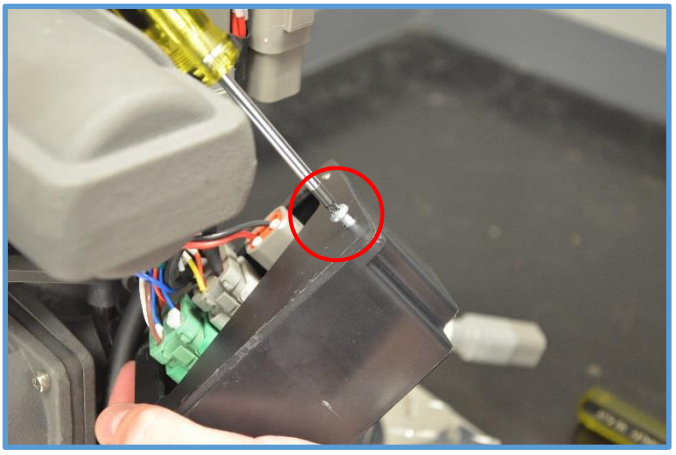


SD Version

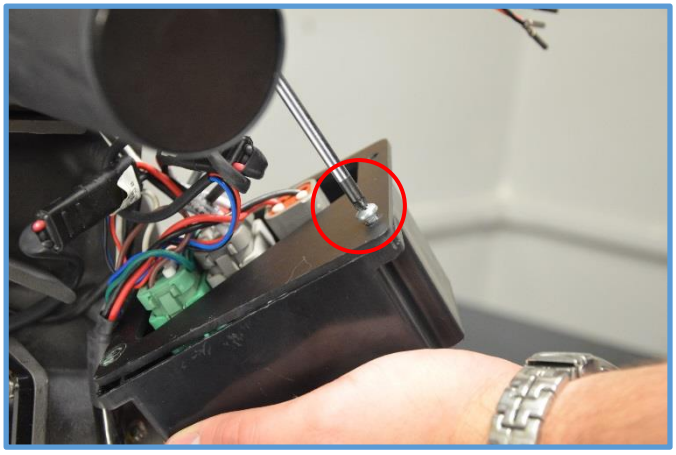


HD Version

13. Reattach the back plate to the EXM control module with the Phillips head screw, and reconnect the three (3) plugs into the EXM control module. Ensure the plugs 'click' into place.



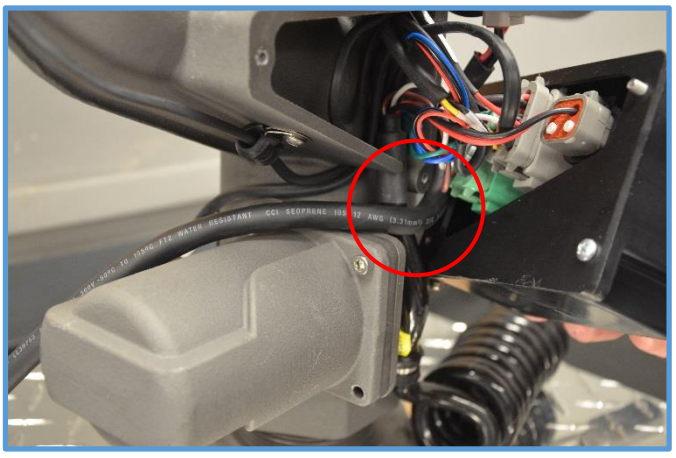
SD Version



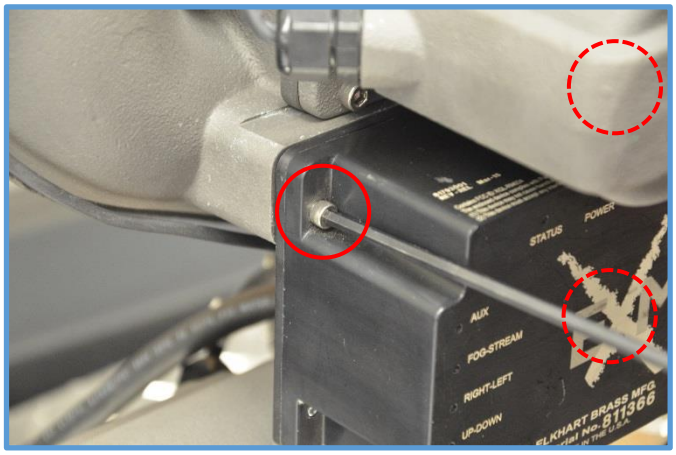
HD Version

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

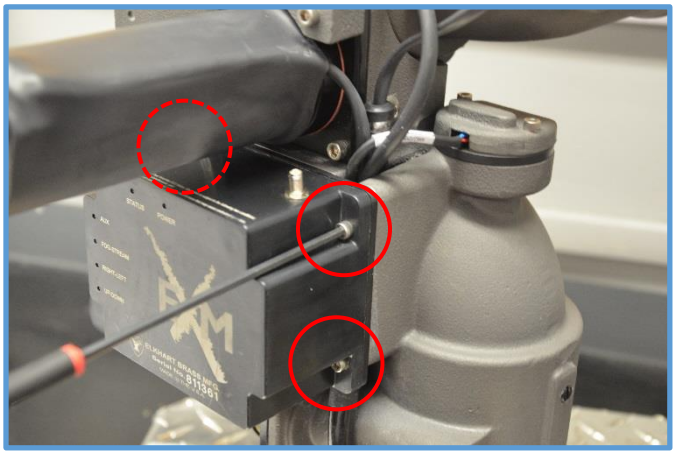
14. SD Version Light Kit – If the HD version light kit was ordered, skip to step 15 to continue install. Route the light kit power harness under the EXM control module before reinstalling the EXM module to the monitor body.



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



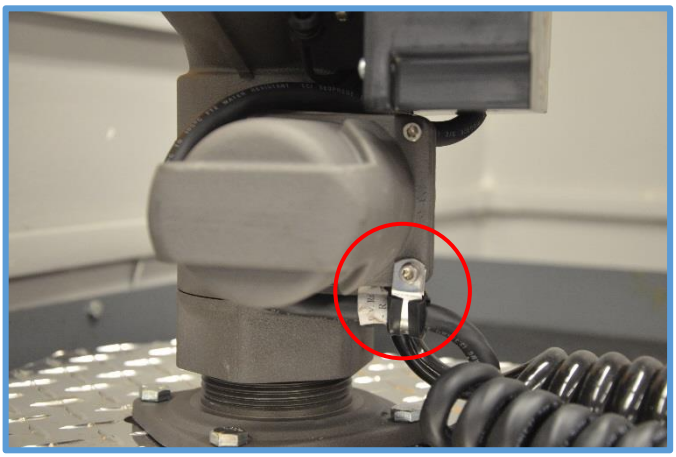
SD Version



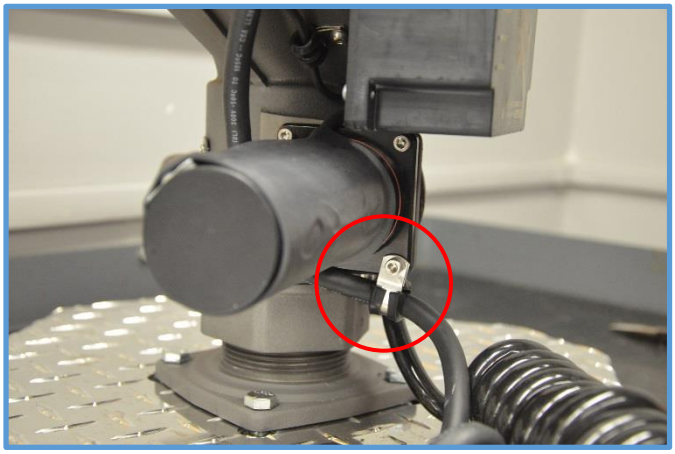
HD Version

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

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

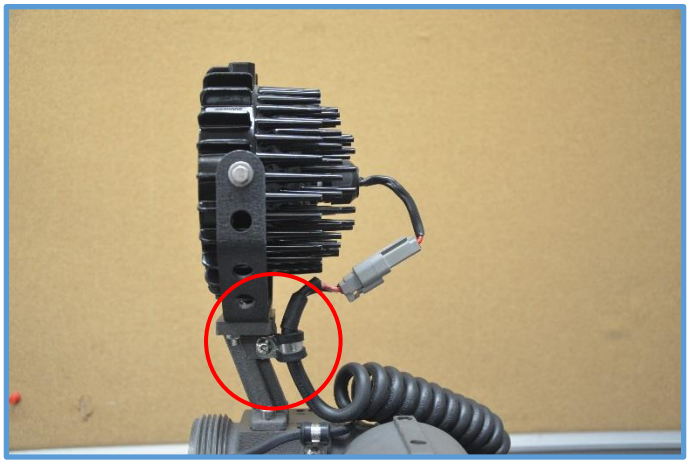


SD Version



HD Version

17. Clamp the harness from the light kit to the light bracket as 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.



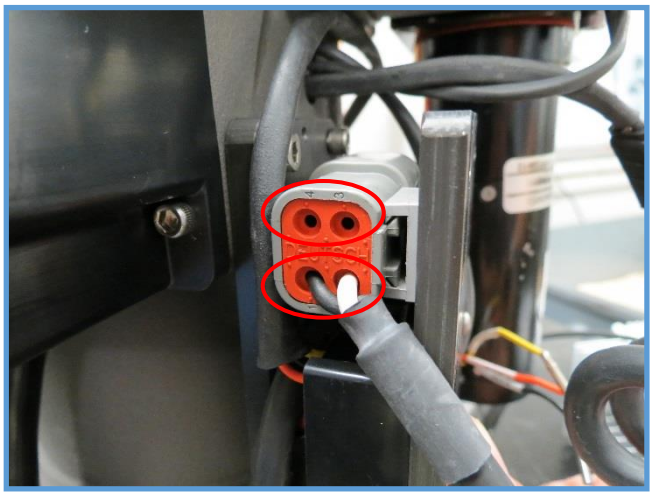
18. Power on the EXM monitor as well as the light kit, and test the operation of the light as outlined in the operation instructions section below. Ensure that the nozzle harness has enough slack to allow movement through the full vertical travel range.

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)

Sidewinder EXM 7100 SD with Light Kit installed

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