

EXM Light Kit Install

Cobra™ EXM Light Kit Installation Instructions



PREPERATION

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

Tools needed:

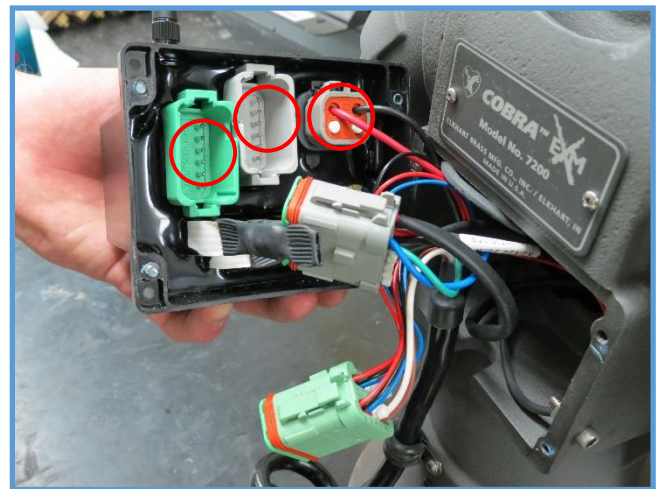
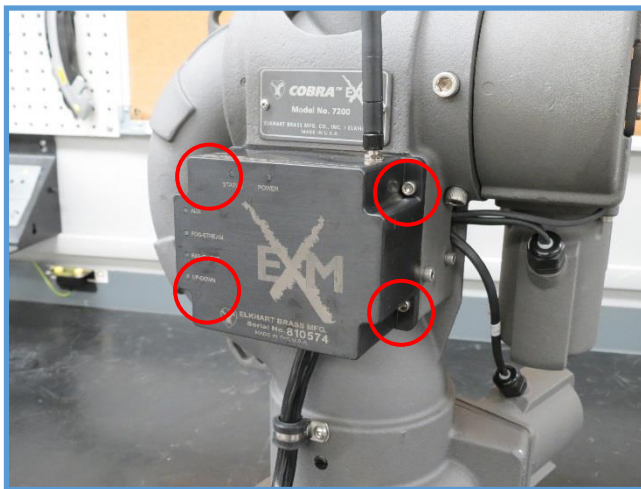
You will need the following tools to install the light kit.

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

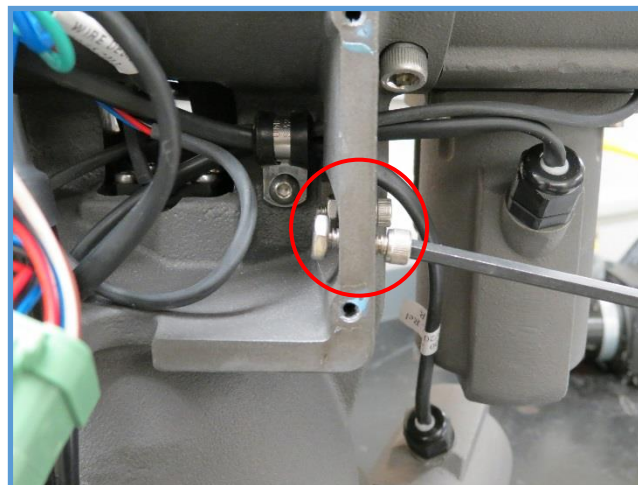


INSTALLATION STEPS

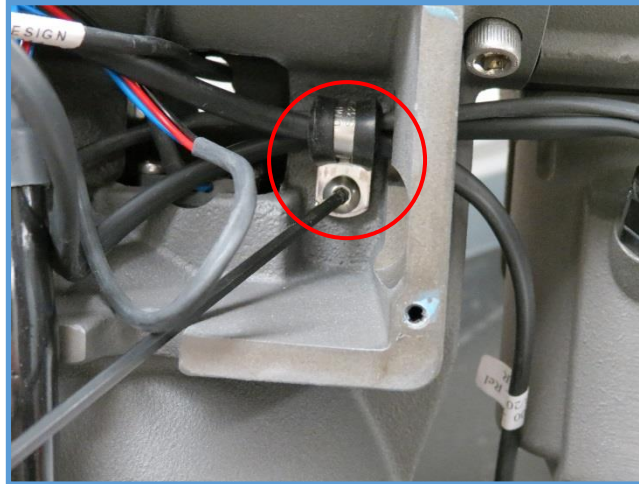
1. Remove the EXM control module by removing the four (4) 8-32 screws that hold it in place. Disconnect the three (3) plugs from the control module. Store the control module and the four (4) 8-32 screws in a place where they will not be lost or damaged; they will be used later.



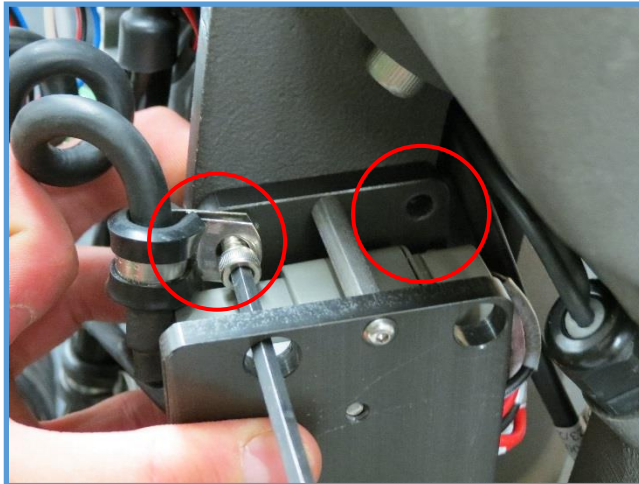
2. Remove and discard the two sets of 10-24 screws and hex nuts from the side of the control module housing.



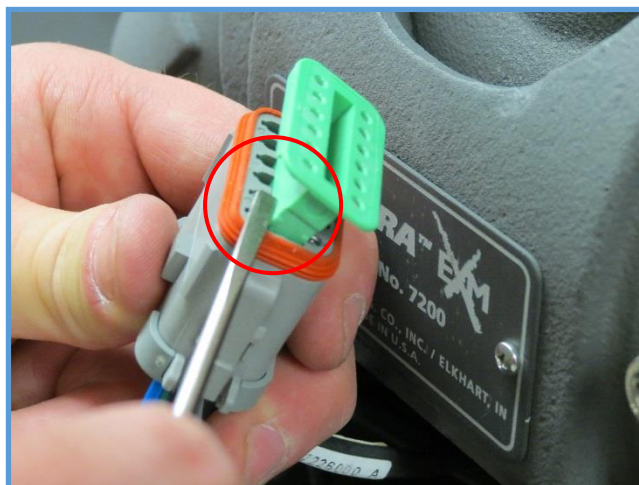
3. Remove the 10-24 button head screw and clamp loop from the inside of the control module housing. Store the screw and clamp loop in a place where they will not be lost or damaged; they will be used later.



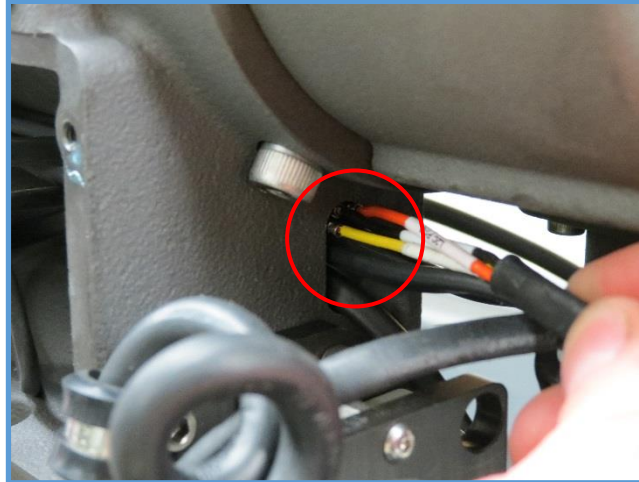
4. Mount the light bracket to the now empty holes of the control module housing using the two (2) new sets of supplied 10-24 screws and hex nuts as shown. Apply blue Loctite #242 or equivalent to the screw threads. Use the supplied clamp loop (new with kit) to hold the harness going to the light in place as shown.



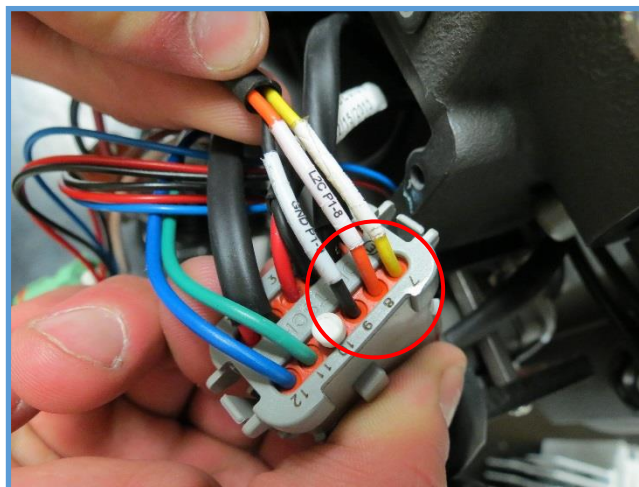
5. Remove the wedgelock from the gray 12-pin plug on the monitor harness with a small slotted screwdriver as shown. Store the wedgelock in a place where it will not be lost or damaged; it will be used later.



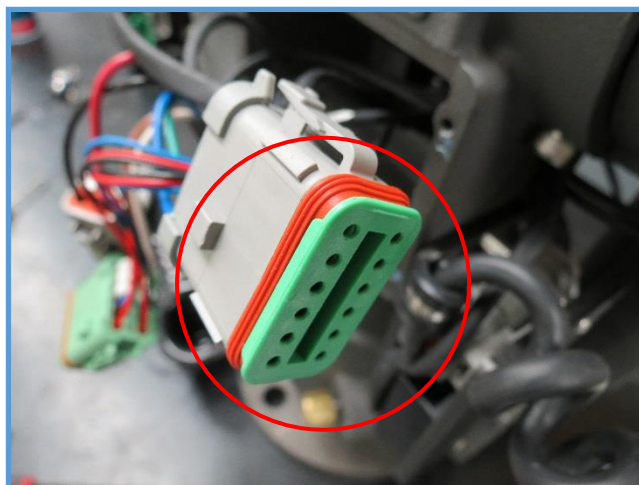
6. Insert the yellow, orange, and black wires from the light kit through the slot in the control module housing. Pull as much of the cable through the housing as possible without putting strain on the wires.



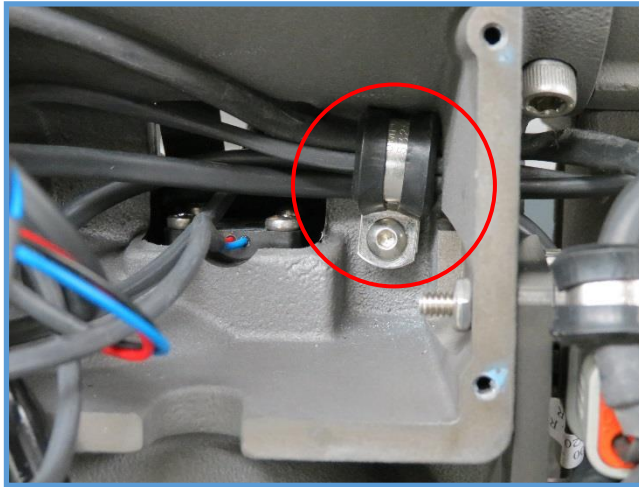
7. Remove the white cap plugs and insert the yellow, orange, and black wires into pins 7, 8, and 9 respectively. Push the wires in until a 'click' is heard, and the wires cannot be pulled out of the plug.



8. Re-install the wedgelock previously removed into the 12-pin connector.



9. Re-install the clamp loop previously removed into the back of the control module housing. Clamp down all wires previously held, as well as the new yellow/orange/black cable from the light kit. Apply blue Loctite #242 or equivalent to screw threads.



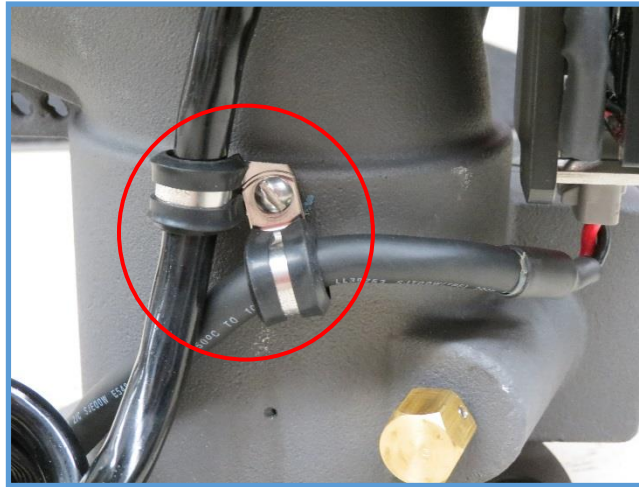
10. Plug the three (3) plugs back into the EXM control module before installing it back onto the control module housing on the monitor. Use the four (4) 8-32 screws previously removed from the monitor. Apply blue Loctite #242 or equivalent to the screw threads. Tighten screws to 8-10 in-lbs.



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



11. Remove the 10-24 button head screw and clamp loop holding the monitor power harness in place. With the supplied 10-24 round head screw, attach the supplied clamp loop and original clamp loop as shown. Apply blue Loctite #242 or equivalent to the threads.



12. If a light was received with the light 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.



13. 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.



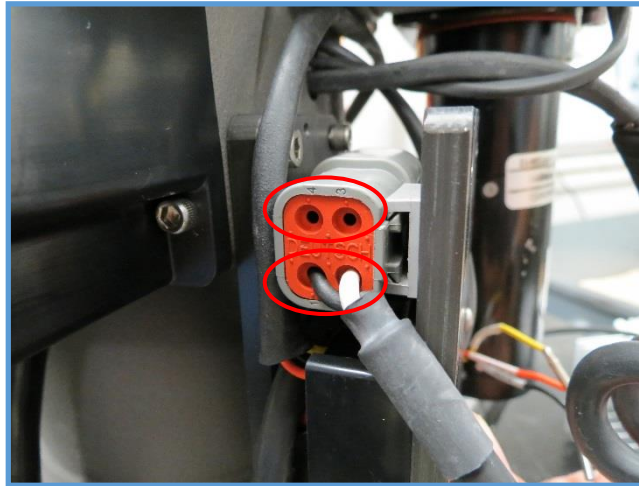
14. Power on the EXM monitor and light kit, and test the operation of the light as outlined in the operation instructions section below.

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)





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