

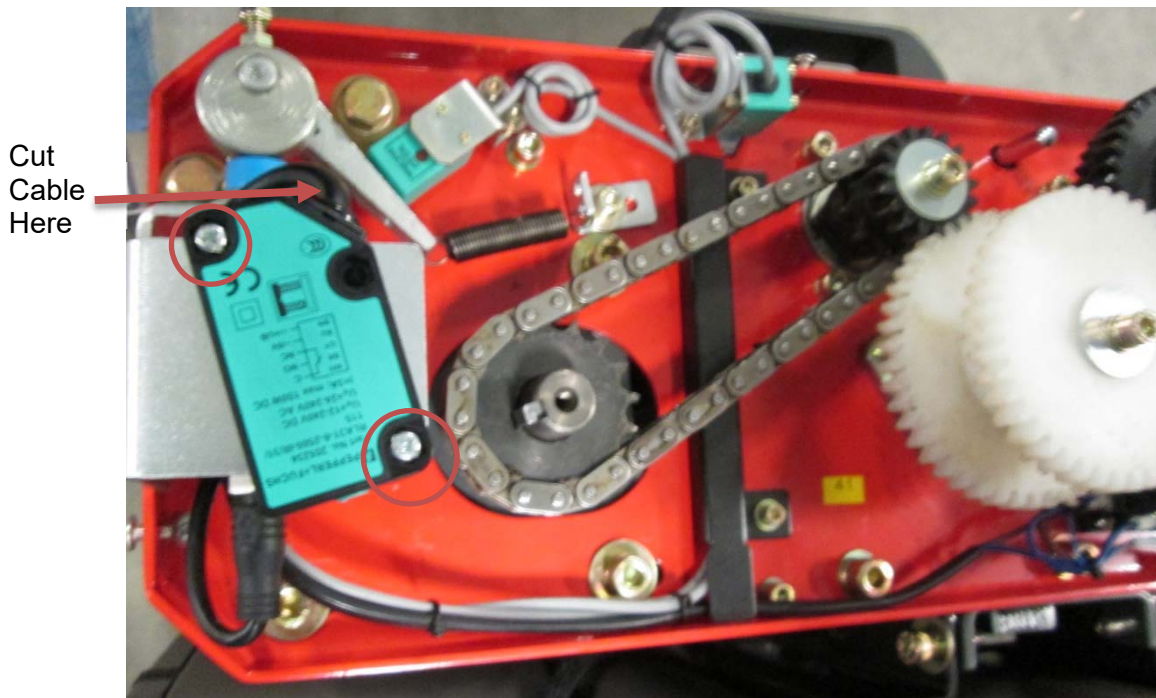
AG 360 Dark Load Photoeye Conversion

This bulletin details how to change the load detect photoeye on an AG-360 to a dark load photoeye. When the sensor is set for light operation, the signal from the sensor is ON when the collector is receiving the reflected light. Conversely, when the sensor is set for dark operation, the signal from the sensor is OFF when the collector is receiving the reflected light. On the AG-360 some loads may require a dark load photoeye to better sense the load. Here is the procedure for changing the photoeye:

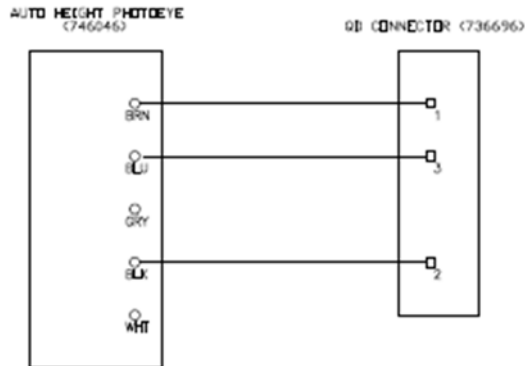
1. Turn off the main power disconnect inside the right panel of the machine.



2. Remove the film carriage cover.
3. Remove the two Phillips screws mounting the photoeye to the carriage.
4. The load detect photoeye is a potted connection, so in order to replace the photoeye, you will need to cut the photoeye connector. Cut the cord using a wire cutter.



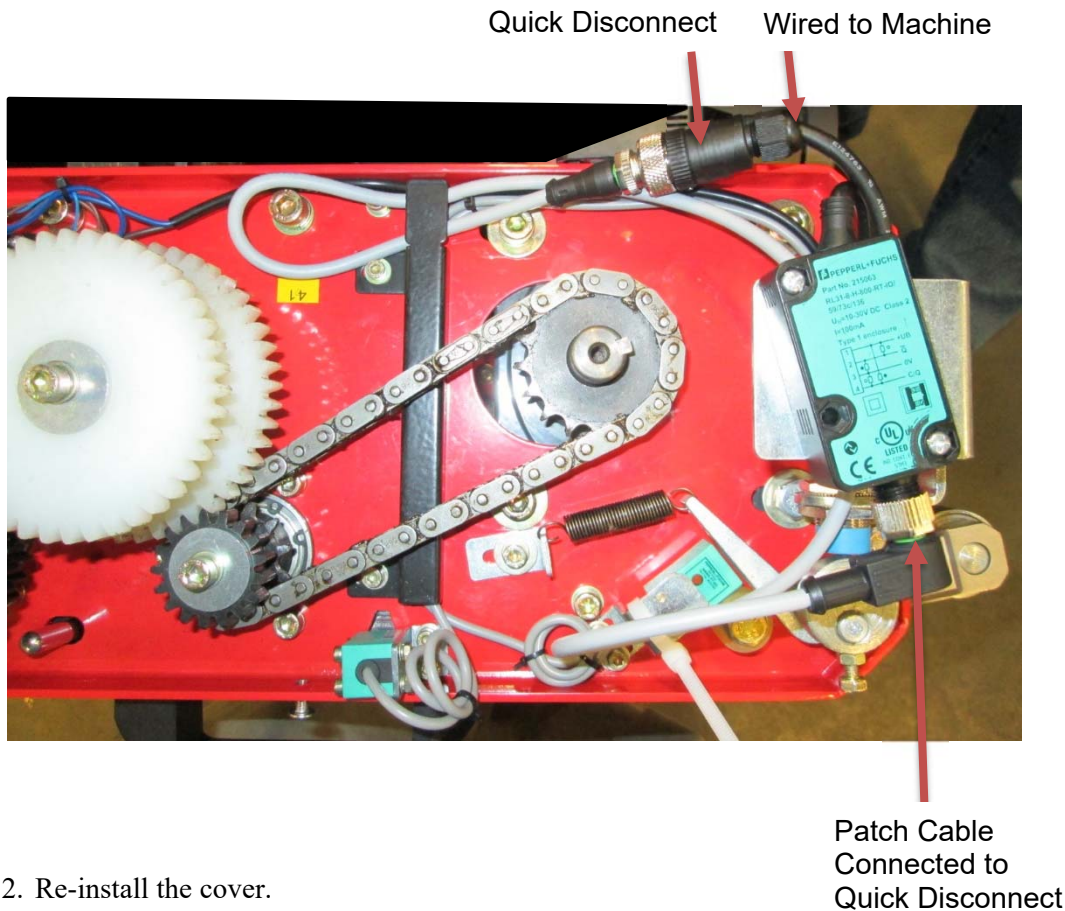
5. Remove the light operate photoeye.
6. The dark operate photoeye will require a quick disconnect and a patch cable to wire it into the machine. These are included with the dark photoeye kit.



7. Cut back the sheathing using a wire cutter to expose the wires. Wire the brown to 1, the blue to 3 and the black to 2. The gray and white wires are not used.
8. Connect the quick disconnect to the patch cable.



9. Install the dark load photoeye using the two Phillips screws you removed from the original photoeye mount.
10. Route the patch cable so that it will not interfere with the mechanical components of the carriage. Use wire ties to secure the cable as needed.
11. Connect the 90 degree patch cable to the dark load photoeye.



12. Re-install the cover.
13. Turn on machine power.
14. Test operation.