

# PHOTO-EYE SENSOR 14750404-AMP

## INSTALL INSTRUCTIONS

Replaces MPNs: 14750404, 12055908, 19050196

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### Before Installing

- **ALWAYS** unplug the unit before beginning any work
  - Allow the unit to cool completely if recently used
  - Work in a well-lit area with proper tools
  - Ensure there are no pellets in the hopper assembly
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### Installation Steps

1. Unplug the stove.
2. Clear the hopper of pellets to access the Photo-Eye sensor compartment inside the hopper.
3. With a socket wrench, remove the central nut holding the photo eye compartment cover plate, and loosen the 2 nuts on the side of the cover enough to free the cover plate.
4. Gently remove the cover plate from the hopper.
  - keep note of how the wires are folded in when removing the plate, the new sensor wiring will need to be put in the same way.
5. Disconnect the wires between the photo eye and stove. If the new photo-eye sensor comes separate from the cover plate, unscrew the old sensor from the plate. Keep note of the orientation of the sensor when connected to the plate.
6. Carefully unscrew and remove the photo eye lens bracket and lens from inside the compartment to inspect and clean the lens.
  - The lens should be clear enough for the photo eye to detect the flame through the lens. If the lens is warped, burned, or damaged, consider replacing the lens before installing the photo-eye sensor.

7. Once inspected, cleaned, or replaced, carefully reinstall the photo-eye lens and lens bracket into the compartment with hex nuts.
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## **Post-Installation Check**

- Verify all connections are secure
  - Ensure all wiring is not in proximity of moving parts
  - Test motor operation before closing panels
  - Check for any unusual noises or vibrations
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## **Support**

If you encounter any issues during installation, consult your owner's manual or contact technical support via our [contact form](#).