The electronic lock indicator is a tractor/trailer fifth wheel coupling aid and is intended as an additional safety check to assure the driver of a safe and complete coupling. It does not eliminate the requirement for a visual inspection of the fifth wheel.

**WARNING**

**ALWAYS GET OUT OF THE TRACTOR CAB AND VISUALLY INSPECT THE FIFTH WHEEL COUPLING!**

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**THE ELI™ SYSTEM**

**FIGURE 1**

- **POWER WIRES**
- **RED (+)**
- **BLACK (-)**
- **6-1/2´ 2-PIECE CABLE**
- **KINGPIN SENSOR HARNESS** (Attached to the underside of the fifth wheel)
- **CORRUGATED LOOM**
- **GROMMET**
- **LOGIC BOX**
- **IN-DASH MOUNT DISPLAY**
- **RECLOSABLE FASTENER**

**FIGURE 2**

- **EXTENSION CABLE (INSIDE LOOM)**
- **GROMMET**
- **CORRUGATED LOOM**

**FIGURE 3**

- **CAM SENSOR HARNESS** (Attached to the underside of the fifth wheel)

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**INSTALLATION PROCEDURES**

1. **Sensors are installed on the fifth wheel at Holland Hitch Company:** Install Holland fifth wheel with Electronic Lock Indicator.

2. **Install the logic box behind the dash, and install the remote display in the dash:** Install the in-dash display module (22mm x 44mm cutout recommended) where it can be easily viewed. Mount the logic box in an area behind the dash where it will be readily accessible. Make sure the location allows connection to the display module pig tail. The reclosable fastener can be used to mount the box. Clean the box and mounting surface with isopropyl alcohol and allow to air dry. Route the cable coming from the logic box to where the end of the 6-1/2´ cable will be located.

3. **Cut one slit into the grommet.** (See **FIGURE 2**.)

4. **Wrap the grommet around the extension cable in the approximate location where it will enter the cab.** (See **FIGURE 3**.)

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*U.S. Patent #5861802, D442971, 6285278, and other patents pending.*
5. Drill a $\frac{13}{16}$” diameter utility hole in the cab making sure that there are no obstructions near the drilling area.

6. Run the end (A) of the extension cable with the power wires (see FIGURE 1), through the utility hole and into the cab.

**CAUTION**  
Failure to connect a voltage source that matches the specification on the box will result in a damaged and inoperable logic box.

7. Connect the two power wires from the extension cable to a 12- or 24-volt power supply. (The logic box is marked with 12- or 24-VDC.) Be sure to connect the RED wire with the fuse to the positive (+) terminal, and the BLACK wire to the ground (-) terminal.

8. Connect the extension cable to the ELI display box cable inside the cab.

9. Press the grommet into position in the utility hole. Apply sealant to the grommet and extension cable to prevent moisture intrusion into the cab.

10. Route the extension cable from the cab to the fifth wheel. See FIGURE 5.

11. Route the wire clear of pinch points.

**NOTE:** For sliding fifth wheels, be sure to leave enough slack for travel and route the wire clear of pinch points. It can be helpful to route the wire through an existing coiled air line.

12. Secure the extension cable so that it is free of interference from the fifth wheel articulation, brake lines, light cord, drive line etc.

13. Connect the extension cable to the sensor harness on the fifth wheel.

14. Check the operation of the fifth wheel and the Electronic Lock Indicator using lock adjustment tool TF-TLN-5001.

For operating instructions, see Holland publication XL-FW389-XX.