1280 Programmable Weight Indicator

Overlay Replacement

Over the lifespan of a 1280 indicator overlays may need to be replaced for a variety of reasons. The 1280 indicator typically can have up to two overlays for the touchscreen and keypad. This document discusses the replacement of overlays.

Manuals and additional resources are available from Rice Lake Weighing Systems at **www.ricelake.com/manuals**

Warranty information can be found on the website at **www.ricelake.com/warranties**

Parts List

Figure 1, Table 1, and Table 2 illustrate overlay replacements that are available:

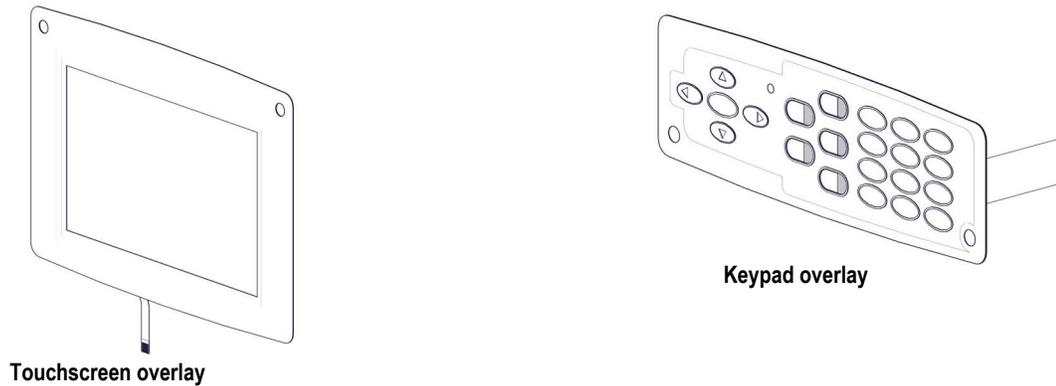
Touchscreen overlay

Keypad overlay

Figure 1. Touchscreen and Keypad Overlay (with Screw Holes)

There are several options for overlays. Table 1 lists overlays for indicators with keypads while being separated by with and without screw holes.

Part No.	Description
161730	Overlay, Touchscreen, Universal (with holes)
161731	Overlay, Keypad, Universal (with holes)

Part No.	Description
164120	Overlay, Touchscreen, Panel Mount and Wall Mount (without holes)
164121	Overlay, Keypad, Panel Mount and Wall Mount (without holes)

Table 1. Touchscreen and Keypad Overlay Part Numbers

Table 2 lists overlays for touch only indicator models.

Part No.	Description
178498	Overlay, Touchscreen 7-Inch Panel Mount Touch Only

Part No.	Description
176126	Overlay, Touchscreen 12-Inch Panel Mount Touch Only

Table 2. Touch Only Overlay Part Numbers

Overlay Removal

⚠ **WARNING** *Always disconnect power before servicing the indicator.*

⚠ **CAUTION** *Wear safety glasses and gloves when performing the following procedure.*

To remove the old overlays, perform the following:

1. Disconnect power to the indicator.
2. For universal enclosures and panel mounts, remove indicator front panel. For wall mounts or kiosks, open door. See Technical Manual (part number 167659) for more information.
3. Remove display. See Technical Manual for more information.
4. Disconnect overlay ribbons or cables from board. See Technical Manual for more information.
5. For universal enclosure, remove four 1/4" pushnuts from rear of panel then remaining mounting hardware. Retain hardware for later use.

⚠ **CAUTION** *If overlay glass is chipped, cracked, or broken use packing tape to secure glass surface.*

⚠ **CAUTION** *Wear safety gloves and glasses. Overlays require considerable effort to remove. The glass in the touchscreen overlay potentially may break. Be aware of glass shards when removing touchscreen overlay.*

6. Push slightly down on glass overlay panel, observe edge of glass and overlay material. Use utility knife to cut out glass section of overlay through gap in material in panel cutout.

Carefully Cut Glass Out of Overlay

For universal enclosures, remove mounting hardware

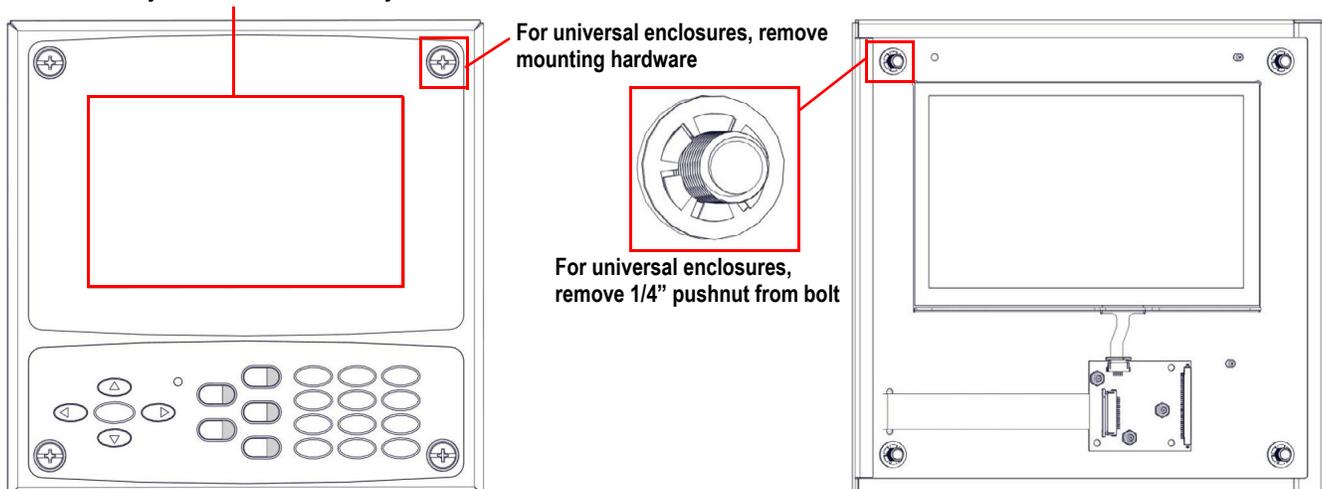**For universal enclosures, remove 1/4" pushnut from bolt**

Figure 2. Door Mounting Hardware and Glass Section

7. Use a putty knife to carefully cut and pry adhesive under overlay while peeling away.
8. If applicable, repeat for keypad overlay.
9. Clean adhesive residue on enclosure with a strong adhesive solvent.

⚠ **CAUTION** *Ensure to follow manufacturer's directions when using cleaning solvents.*

10. Clean front panel surface with isopropyl alcohol.

Overlay Installation

Touchscreen Overlay

1. Position touchscreen overlay with back facing up.
2. Remove the protective film from the glass and backing layer covering the adhesive.
3. For universal and panel mounts, guide touchscreen overlay ribbon cable through enclosure tail slot on front of panel.

📝 **Note** | *The touch only overlay ribbon tail is attached to an embedded HMI board in the overlay and does not require routing displayed in Figure 3.*

⚠️ **CAUTION** | *Ensure overlay ribbon cable does not touch adhesive or slip out of slot while securing the adhesive.*
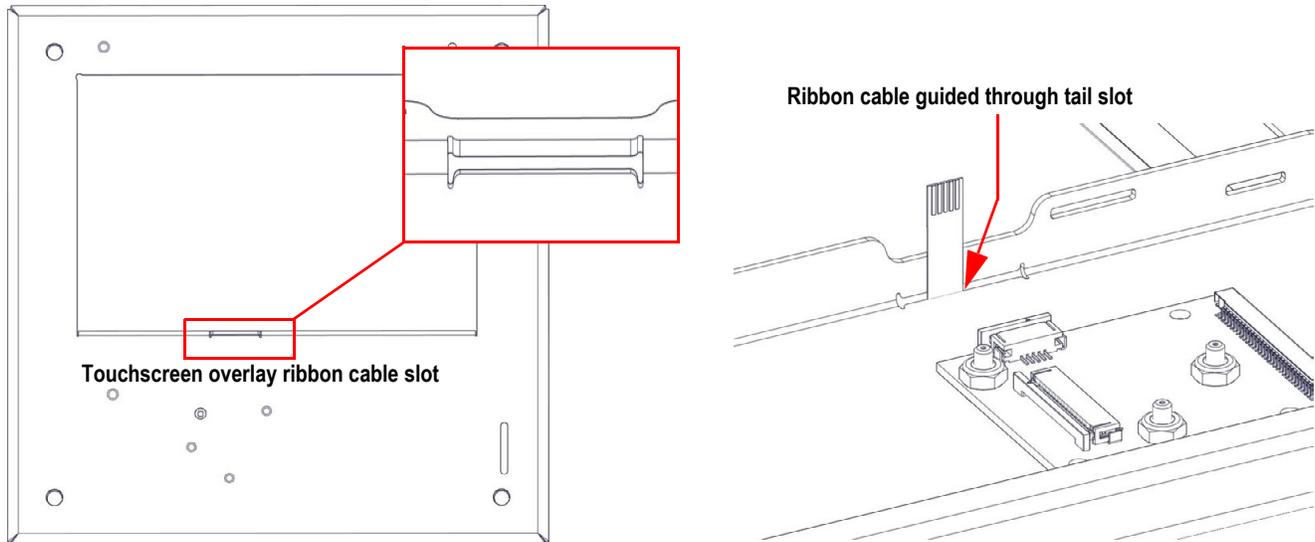

Figure 3. Screen Overlay Ribbon Tail Slot

4. Angle overlay into panel cutout with upper right corner glass aligning in cutout corner.
5. Repeat alignment for left upper corner.
6. When aligned, press upper right corner to panel then upper left corner.
7. Repeat for remaining corners.

⚠️ **CAUTION** | *The adhesive is very aggressive and the overlay placement cannot be changed once it makes contact. Ensure overlay is aligned before adhering to panel.*
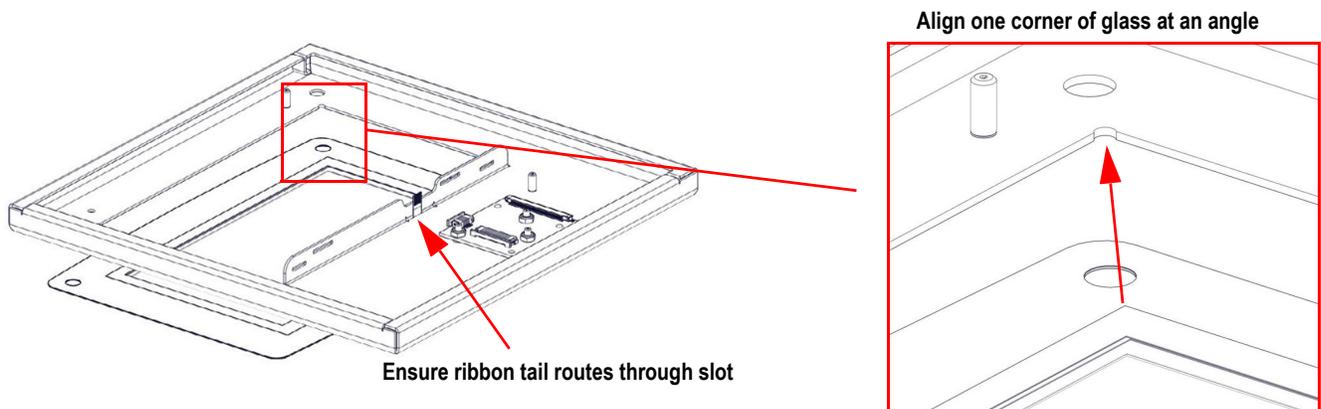

Figure 4. Overlay Ribbon Tail Slot and Alignment

8. If a keypad overlay must be installed, advance to next procedure. If a keypad overlay will not be installed, see "Completing Overlay Installation" on page 4.

Keypad Overlay Installation

1. Remove adhesive protective backing from keypad.
2. Guide keypad ribbon tail through the slot on front panel.
3. Apply keypad to panel while aligning in center and with screw holes (when existing).

📝 **Note** *When adhering overlay to panel, ensure ribbon cable routes fully through slot and is not under adhesive.*

Keypad overlay ribbon cable slot   **Ribbon cable guided through routing slot**
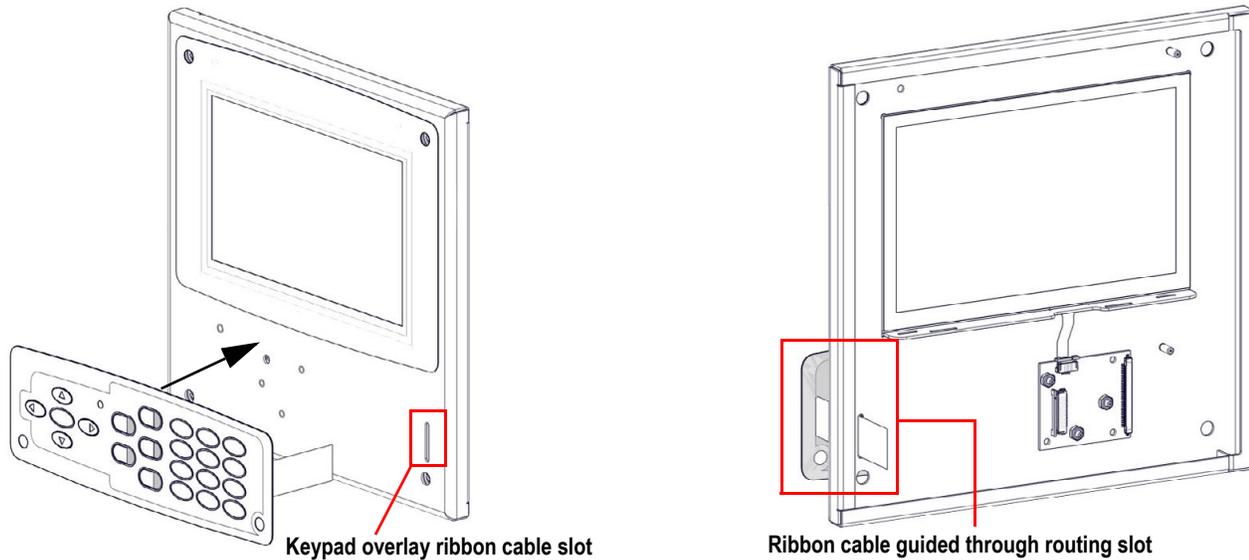
Figure 5. Aligning Keypad Overlay with Panel

4. Advance to next procedure.

Completing Overlay Installation

1. To promote adhesion, use roller on adhesive edges on overlay.

⚠️ **CAUTION** *Do not use roller on touchscreen glass or top of keys.*

2. (**Optional**) If needed, cut excess overlay material in screw holes with utility knife.
3. Plug in touchscreen and keypad (where applicable) overlays into connectors. The connectors on the HMI board have a locking slide. For more information see Technical Manual.
4. Remove protective plastic from front of touchscreen and keypad overlays.
5. Reinstall display. See Technical Manual for more information.
6. Reinstall panel door. For more information see Technical Manual.

📝 **Note** *For the universal enclosure with screw fasteners, only torque screws to 22 in-lb. Over tightening the fastener will deform the overlay which can compromise the water seal.*

RICE LAKE®
W E I G H I N G   S Y S T E M S