

Overlay & Touch Screen Installation — Steps 1–3

⚠ CAUTION Disconnect terminal power before servicing. Work in a clean, ESD-safe environment with a grounded wristband. Handle the touch glass by its edges only — do not flex the sensor or crease the ribbon tail.

PREREQUISITES

Original overlay removed, adhesive residue cleaned with isopropyl alcohol, and bezel dry.

New touch screen bench-tested and verified per the *Monitech Pre-Installation Testing Guide*.

Kit: MF600B / MF600K — touch screen with FPC tail, overlay with 3M 468MP adhesive, plastic guide strip.

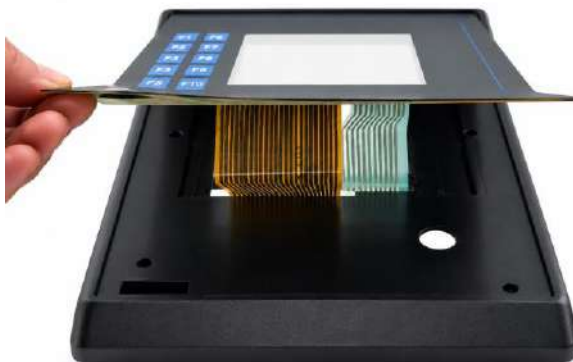
1. Apply the perimeter tape

Apply thin double-sided tape (≤ 1 mm) around the bezel groove where the new glass will seat. Butt the strips at each corner — **no gaps, no overlaps**, clear of the viewing area. Peel the release liner from the outward face just before seating.



2. Insert the ribbon through the slit

With the tape liner still on the glass, feed the flexible ribbon (FPC) tail through the bezel slit from the front to the back. **Keep the sensing face outward** (the face the ribbon is bonded to). Do not pull on the ribbon to position the glass.



3. Support the glass at an angle

Slide the supplied **plastic guide strip** through the slit to prop the glass upright on the bezel. This holds the glass clear of the tape while you access the adhesive liner from behind.



Overlay & Touch Screen Installation — Steps 4–6

4. Peel the adhesive liner

From behind the glass, peel the adhesive liner off the rear face. **The peel line will meet the ribbon** — to pass it, pull the ribbon back out of the slit, peel across the ribbon path, then re-feed the ribbon through the slit and continue peeling the remainder of the liner. Do not crease the ribbon.



5. Realign the overlay

Feed the **plastic guide strip** through the slit **again** to steady the glass, then square it over the bezel opening. **Verify all four edges sit within the engraved recess** before committing the adhesive.



6. Press firmly along the groove

Remove the plastic guide strip. Lower the glass into the engraved recess and **press firmly and evenly along all four edges**, working outward from the centre until the overlay sits perfectly flush along the grooved bezel surface. No tape may be visible in the active area.



POST-INSTALL VERIFICATION

Bond integrity: no adhesive visible in the viewing area; no bubbles under the glass; overlay flush at all four edges.

Ribbon: tail routed through the slit with a gentle radius — no sharp bend, no pinch at the bezel edge.

Function test: reconnect the FPC to the controller, power up, and verify touch response at all four corners, the centre, and along the perimeter. Calibrate per the terminal's user guide if 5- or 8-wire resistive.

CURE TIME & HANDLING

The 3M 468MP acrylic adhesive reaches working strength in about **one hour** and full bond strength over **24–72 hours** at room temperature. Avoid mechanical load or field wiping during this window.

Never lift and re-seat a bonded overlay — the adhesive will not recover. If misaligned, remove immediately and replace with fresh tape.

For technical support, call **1-877-493-6105** or email support@monitech.com.