

**INSTALLATION GUIDELINES**

**ONE PART SQUARE OR RECTANGULAR UNITS**

The following information is provided to give guidance only as all installations are not identical, please contact your Iplex representative for additional information, if required.

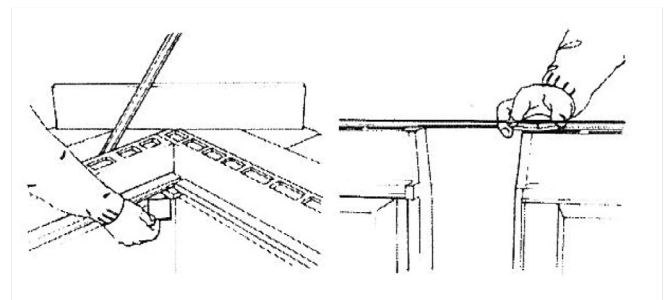
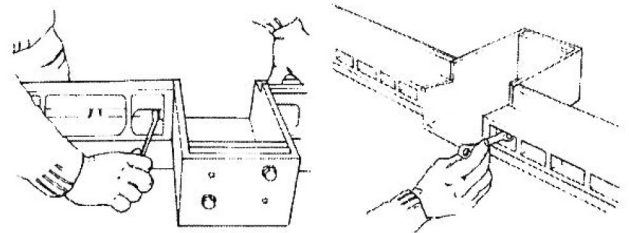
Correct installation is essential for a GATIC® unit to operate satisfactorily and give a long service life for which it has been designed.

Incorrect methods of installation may cause:

- Movement or rocking under load;
- Excessive wear and reduced life;
- Damage and/or failure under load;
- Poor sealing between cover and frame seatings.

**MULTIPART INSTALLATION GUIDELINES**

- Check the rebate dimensions and the pit opening size against the information supplied on the Product Drawing.
- When unpacking the sections of the frame, take care not to crush or damage the leaded joints.
- Place the undercut and drawcut frames in the wallbox rebates.
  - Join wallbox to end frames with both bolts provided (if shipped in sections)
  - Ensure top of wallbox and frame is flush
- Place side frames in rebates as guided by painted numbers on outside of frame (and product drawing).
  - Remove nuts and washers from side frames.
  - Insert leaded end completely into end frame (Undercut or drawcut end).
  - Put top nut and washer only in place. Tighten firmly with hand tools (ensure bottom of frame makes contact with mating frame).
- Pack up the four corners to finished level required. Run string line across top of the wallboxes at the drawcut and undercut ends.



Note: Do not use timber as a packing medium

- Use cast iron, cement sheet or steel spacer pieces to pack up the underside of the wallboxes to set top of frames level with string lines.
- Clean frame to remove debris from all vertical and horizontal seatings sections.
- Clean all wallbox interiors as well.

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**INSTALLATION GUIDELINES**

- Place beams into wallboxes so that numbers marked on beams and wallboxes correspond. Ensure that the beam end sections are flush with the top of the wallboxes and metal to metal contact is made.

**INSTALLING COVERS**

Clean underside of covers, and the vertical and horizontal seating surfaces, of the covers. Select a column of covers located between two central support beams and place the cover into this column at the drawcut end.

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*Note: The drawcut end is determined by the location of the two or four keyholes on the same end of the cover.*

- Place cover into that column as per sequenced numbers, starting with drawcut end.
- Check covers for rocking in frames.
- If movement is detected, place packing pieces under the wallboxes supporting the beams on which the covers rest.
- Continue to place the column of covers in position, checking each for rocking.
- Complete each row of covers, working from the central columns outwards.

*Note: As covers are placed into the frame, the frame begins to square itself progressively.*

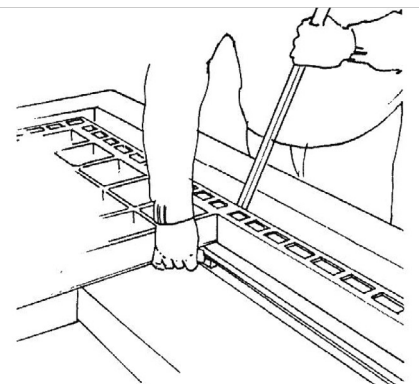
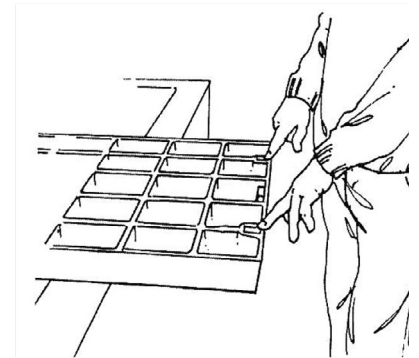
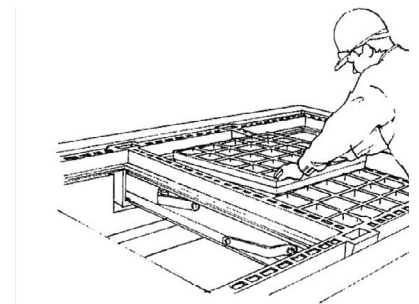
- As covers are placed into position, check the side frames and pack if necessary.
- Check for metal to metal contact.

*Note: It may be necessary to wedge the side frame and wallboxes into position with a wedge or spacer between the rebate wall and the frame member. It is vital that the wedge material is not made of timber.*

**IMPORTANT**

It is essential that the wedge packer piece remains in place during the concrete pour. This is important to maintain the correct alignment of the frame members and wallbox units.

Particular attention to the wallbox/beam location box is needed during this stage. Check for and eliminate vertical gaps between wallboxes and beam ends. Pack side frames to eliminate gaps.



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