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3442-00XX Compliant Pin Tool

Instructions for the installation of Compliant Pin Connectors using the 3442-00XX Insertion Platen

General

The 3M 3442-00XX Insertion Platen was designed to aid in pressing compliant pin connectors onto printed circuit boards. There is one insertion platen for each connector position.

The platen is designed to be used with a two (2) or three (3) ton Arbor press. The press can either be hand operated or pneumatic.

The platen can be used with or without the latch/ejectors in place.

PC Board Support

To protect the compliant pin during the connectors installation, a support for the PC board is necessary.

This support should be approximately 3/4 inch thick. It can either be drilled with the same hole pattern as the PC board, or it could have milled grooves in a cross hatch pattern.

This support should be supplied by the customer.

Tool Preparation

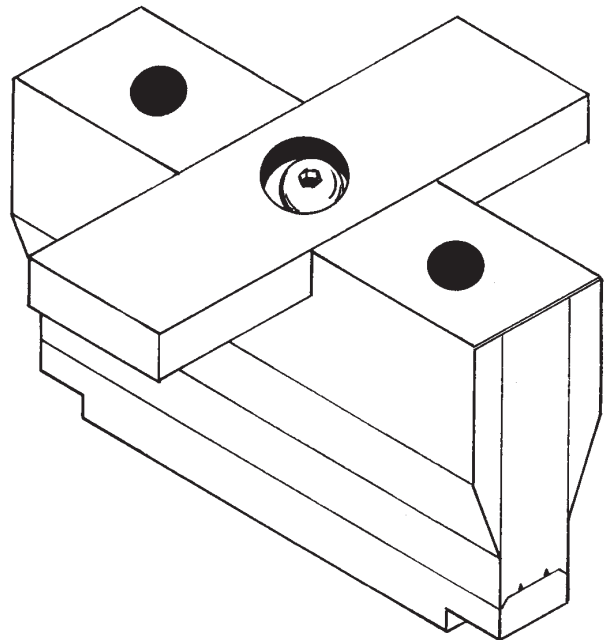
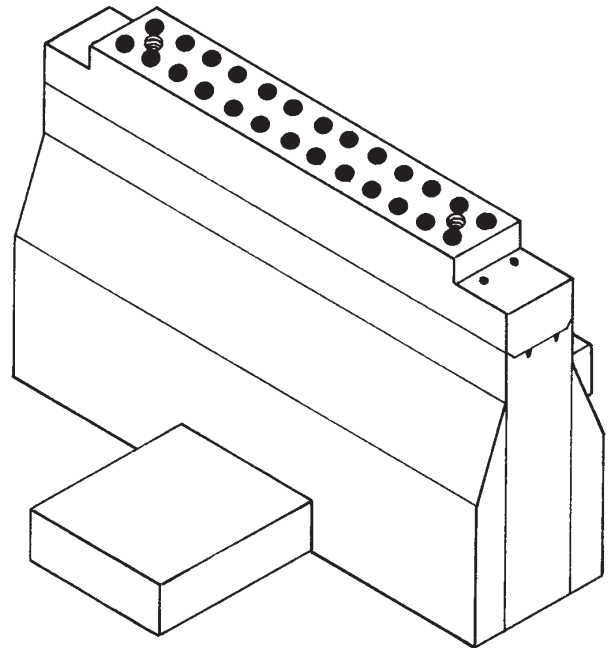
If the press has an adjustable ram, set the shut height to $1.50 \pm .002$ inches. This would be the distance between the ram and the top of the PC board when it is mounted on the support block on top of the base of the press. The ram should be fully extended at this point.

Assembly Procedure

1. Place the PC board on the designated support.
2. Place the insertion platen onto the header, making sure the header pins align with the corresponding holes in the platen.
3. Align the header pins with the holes in the PC board. Slightly push to pre-seat the connector on the board.
4. Making sure the platen and connector are directly under the press ram, actuate the press ram.

Caution: remove hands before actuating ram.

5. Return ram to original position and remove the Platen from the connector.



3442-00XX

Insertion Platen Number	Connector Position
3442-0048	10
3442-0049	14
3442-0050	16
3442-0051	20
3442-0052	24
3442-0053	26
3442-0054	30
3442-0055	34
3442-0056	40
3442-0057	50
3442-0058	60
3442-0059	64

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