Blackburn®
Featuring the Color-Keyed® System

TBM41E COMFORT CRIMP®

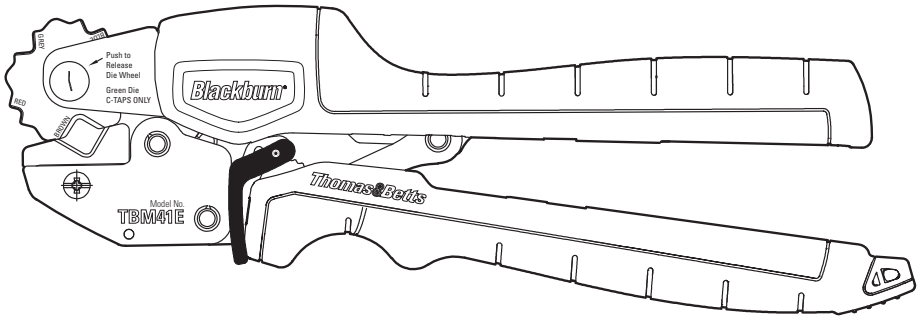
COMPRESSION TOOL WITH SHURE STAKE® MECHANISM

For Installing Color-Keyed® Copper and Aluminum Lugs, Splices, C-Taps and Pigtails

IMPORTANT: Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.

⚠ WARNING ⚠
KEEP ALL BODY PARTS AWAY FROM DIE NEST DURING GAGING OR CRIMPING PROCEDURE.

⚠ WARNING ⚠
HANDLES ARE NON-INSULATING. DO NOT CRIMP ON HOT ENERGIZED WIRES.



In the event the SHURE STAKE® MECHANISM must be released, please see Figure 4.

Figure 1

1.0 INSTRUCTIONS FOR USE

1.1 For Use With Color-Keyed® Lugs, Splices, Pigtails and C-Taps

1. Open handles fully.
2. Depress wheel release button and rotate wheel to proper die nest. Allow wheel to lock into position by releasing button.
3. Insert lug into the nest as shown in Figure 2.
4. Close the handles slightly to secure the terminal. Do not deform the terminal.
5. Insert stripped wire.
6. Close handles until the SHURE STAKE® mechanism cycle has been completed.
7. Perform two equally spaced crimps on the terminal barrel.

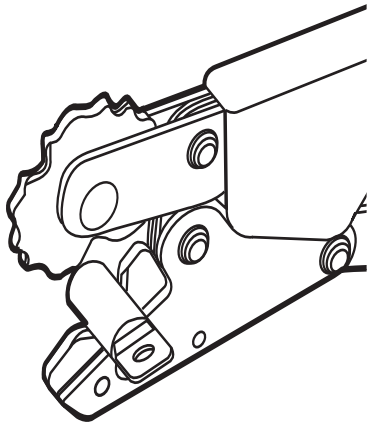


Figure 2

Thomas&Betts
A Member of the ABB Group

1.2 CRIMP ASSIST® Foot

For larger wire and lug combinations that require more force to complete the crimp, it may be useful to press the tool against a flat work surface (I.E. Worktable, floor, etc.) to gain more leverage. The Crimp Assist® Foot helps stabilize the tool during this type of operation.

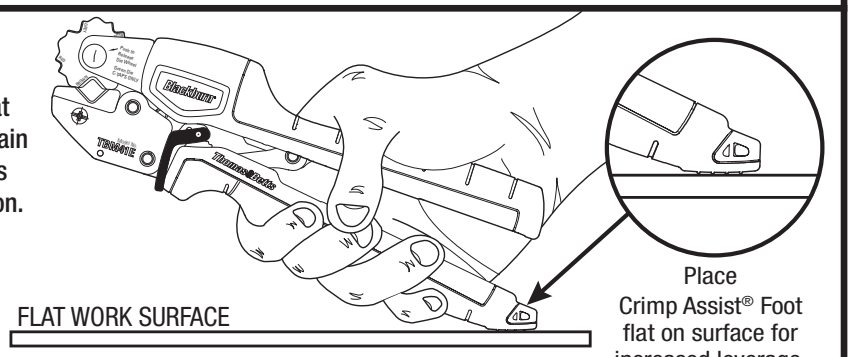
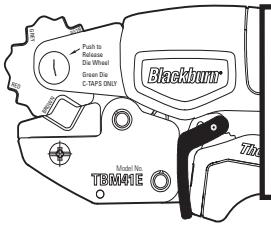


Figure 3

1.3 SHURE STAKE® Mechanism



⚠ WARNING ⚠
KEEP ALL BODY PARTS AWAY FROM DIE NEST DURING GAGING OR CRIMPING PROCEDURE.

To release the SHURE STAKE® mechanism, push up on the release bar until the ratchet teeth are disengaged.

Figure 4

1.4 Maintenance

1. Remove dust, moisture, and other contaminants with a clean brush or a soft, lint-free cloth.
2. DO NOT use on objects that could damage the tool.
3. Make certain all pins, pivot points, and bearing surfaces are protected with a THIN coat of any good SAE No. 20 motor oil. DO NOT oil excessively.
4. Keep handles closed when not in use to prevent objects from becoming lodged in the crimping dies.
5. Store tool in a cool, dry area.

2.0 GAGING VERIFICATION

NOTE: Calibration verification procedure should be performed whenever damage or suspected damage has occurred or as often as operation conditions warrant.

2.1 Visual Inspection

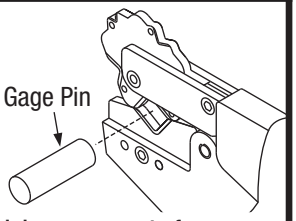
Tool must be free of cracks, sharp edges and any other obvious imperfections that may affect performance of the tool. Nest area must be free of burrs, dents or scratches.

TABLE 1

TBM41E GAGING REQUIREMENTS	
NEST	**GAGING MIN. – MAX.**
RED	.175 – .187
BLUE	.212 – .224
GREY	.265 – .277
BROWN	.324 – .336
GREEN	.406 – .418

2.2 Gaging Procedure

1. Wipe die nest before gaging.
2. Rotate wheel to desired nest.
3. Close handles until SHURE STAKE® mechanism just trips.
4. Insert gage pin into nest. The correct gage pin size should enter nest area freely with a minimum amount of finger pressure. The gaging shall fall with in the limits specified in Table A.



For parts, service, repair and calibration, contact the Thomas & Betts Tool Service Center at 1-800-284-TOOL (8665).

WARRANTY: Thomas & Betts sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the user's intended application. Thomas & Betts warrants that this product will be free from defects in materials and workmanship for the period stated on the enclosed warranty card. Upon prompt notification of any warranted defect, Thomas & Betts will, at its option, repair or replace the defective product or refund the purchase price. Proof of purchase is required. Misuse or unauthorized modification of the product voids all warranties.

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