

# Instructions for the installation of 3547 Flat Cable Retainer

### **General:**

The 3547 Flat Cable Retainer is mounted on the 3445 Discrete Wire Block which is mounted on the 3316 Universal Press. It is used to secure discrete flat cable or controlled pitch flat cable for termination.

## Installation:

 Remove the round-jacketed cable clamps from the Discrete Wire Block. This is done by removing the two T-knobs under the block. Lift the clamps out, replace the T-knobs on the clamps, and store pieces away. (Figure1)



- 2. Adjust the Flat Cable Retainer to the proper cable tension.
  - A. Retainer Bar adjustment (Figure 2)
    - a. Loosen pivot screw and raise retainer bar.
    - b. Insert a short piece of cable, centered, between retainer bar and cable plate.
    - c. Rotate pivot such that the retaining bar is approximately 3° with respect to the cable.
    - d. Tighten pivot screw.



#### B. Toggle clamp adjustment (Figure 3)

- a. Loosen wing nut.
- b. Set adjusting nut to desired height such that when the toggle is lowered, pressure on the cable is equally distributed and will not allow slippage.
- c. Tighten wing nut against the toggle clamp arm.



3. The Flat Cable Retainer can now be installed. Centrally position the Flat Cable Retainer on the Discrete Wire Block, aligning its mounting holes with the slot. Install the T-knobs and tighten. (Figure 4)



- 4. The Cable Edge Guide will be adjusted to aid in centering the cable with the connector. (Figure 5) Because the cable type will alter the width, the cable should be placed on the cable plate and the springloaded Edge Guide lifted and butted against the cable.
- 5. Install the Discrete Wire Block with Flat Cable Retainer on the press base and secure with the two slotted captive screws.

You are now ready to install the Connector Nest. Specific Instructions are provided with the appropriate Nest being used.



Item No.	Part Number	Description	
1			h
	/8-8047-9481-2	nel Alhen, riat Caple	$\sim 17.18$
2	78-8047-9481-2 78-8047-9478-8	RETAINER, Flat Cable CAM, Pivot	17,18
3	78-8047-9478-8 78-8047-9479-6	CAM, Pivot HOUSING, Pivot	17,18
3 4	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8	CAM, Pivot HOUSING, Pivot BAR, Retainer	17,18
3 4 5	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer	17,18
3 4 5 6	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide	17,18
3 4 5 6 7	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP	17,18
3 4 5 6 7 8	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable	17,18
3 4 5 6 7 8 9	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN	17,18
3 4 5 6 7 8 9 10	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING	17,18
3 4 5 6 7 8 9	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x	17,18
3 4 5 6 7 8 9 10 11	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon	17,18
3 4 5 6 7 8 9 10 11 11	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING	17,18
3 4 5 6 7 8 9 10 11	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex	17,18
3 4 5 6 7 8 9 10 11 11 12 13	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg.	17,18
3 4 5 6 7 8 9 10 11 11	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex	17,18
3 4 5 6 7 8 9 10 11 11 12 13 14	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Soc 8-32 x % Lg.	17,18
3 4 5 6 7 8 9 10 11 11 12 13	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Soc 8-32 x % Lg. SCREW, Cap, Button Hd. Hex	17,18
3 4 5 6 7 8 9 10 11 12 13 14 15	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7 18-3102-2815-2	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Soc 8-32 x % Lg.	17,18
3 4 5 6 7 8 9 10 11 11 12 13 14	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Flat Head Slotted,	17,18
3 4 5 6 7 8 9 10 11 12 13 14 15 16	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7 18-3102-2815-2 26-1003-3209-2	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Flat Head Slotted, 6-32 x % Lg.	17,18
3 4 5 6 7 8 9 10 11 12 13 14 15	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7 18-3102-2815-2	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Flat Head Slotted, 6-32 x % Lg. SCREW, Cap, Hex Soc Hd.,	17,18
3 4 5 6 7 8 9 10 11 12 13 14 15 16	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7 18-3102-2815-2 26-1003-3209-2 18-3174-5415-7	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Flat Head Slotted, 6-32 x % Lg.	17,18
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7 18-3102-7815-7 18-3102-2815-2 26-1003-3209-2 18-3174-5415-7 26-1004-6413-5	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-¼ Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Flat Head Slotted, 6-32 x % Lg. SCREW, Cap, Hex Soc Hd., ¼-20 x % Lg. T-KNOB, ¼″ Red	17,18
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	78-8047-9478-8 78-8047-9479-6 78-8047-9483-8 78-8047-9482-0 78-8047-9482-0 78-8047-9477-0 26-1004-6274-1 78-8047-9739-3 78-8022-4211-1 26-1002-8672-8 26-1002-3583-2 78-8656-4017-7 26-1002-2137-8 18-3102-7815-7 18-3102-2815-2 26-1003-3209-2 18-3174-5415-7	CAM, Pivot HOUSING, Pivot BAR, Retainer PAD, Retainer PLATE, Guide CLAMP GUIDE, Cable PIN SPRING WASHER, Flat .250 O.D. x .115 I.D. x .032 thk. Nylon RETAINING RING SCREW, Cap, Flat Head, Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket, 4-40-1/4 Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Cap, Button Hd. Hex Socket 6-32 x % Lg. SCREW, Flat Head Slotted, 6-32 x % Lg.	17,18

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