

Figure 1

### 1. INTRODUCTION (Figure 1)

This instruction sheet covers the selection and installation of mounting hardware for CHAMP Connectors. Read this and all referenced material before starting assembly.



*Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are for reference only and are not drawn to scale.*

Reasons for reissue are provided in Section 4, REVISION SUMMARY.

### 2. DESCRIPTION

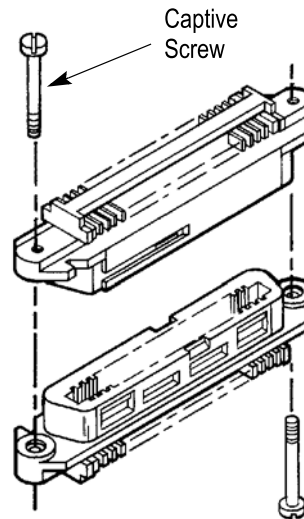
Mounting hardware for CHAMP Connectors falls into two categories: cable-to-cable (two free-hanging connectors) applications, and cable-to-panel (one free-hanging and one panel-mounted connector) applications.

### 3. SELECTING AND INSTALLING HARDWARE

Using Figure 2, find your connector and strain relief cover description - then select the hardware from columns 5 and 6. Next, refer to the applicable paragraph in the following text and install the hardware.

#### 3.1. Screw Lock Hardware Kit 5229911-1 (Figure 3) For Cable-to-Cable Application)

1. Thread captive screws into threaded holes. When two 90° covers are used, thread one screw into each connector opposite cable entry end. When a 180° cover is used, thread both screws into the connector containing the 180° cover.
2. Mate connectors and secure by threading captive screws into threaded holes of the opposite connector.



Screw Lock Hardware  
Kit 5229911-1  
(Two Required  
Per Assembly)

Figure 2

CONT PSN	CONNECTOR ASSEMBLY		STRAIN RELIEF COVER	HARDWARE	
	APPLICATION	MTG FLANGES ON PLUG		DESCRIPTION	PART NUMBER <sup>†</sup>
14, 24, 36, 50, and 64	Cable-to-Cable	4-40 UNC-2B	90°	Screw Lock	5229911-1
	Cable-to-Cable	Open Ends	90°	Bail Lock	5552561-4
	Cable-to-Panel	Open Ends	90°	Bail Lock	5552567-2
	Cable-to-Cable	4-40 UNC-2B	180°	Screw Lock	5229911-1
	Cable-to-Cable	Open Ends	180°	Bail Lock	5552561-3, -4
	Cable-to-Panel	4-40 UNC-2B	180°	Screw Lock	5552568-1, -2
	Cable-to-Panel	Open Ends	180°	Bail Lock	5552567-1, -2, -3

<sup>†</sup>When both bails (standard and bent) are listed, either can be used for the application - however, slightly more clearance is needed for the standard bails.

Figure 3

### 3.2. Bail Lock Hardware Kits 5552561-3 (Standard) and 5552561-4 (Bent) (Figure 4) (For Cable-to-Cable Application)

1. Align bail clips and screws with mounting flange holes on the mating face side of receptacle connector.
2. Make sure bails are turned outboard, then secure bails to connector.
3. Mate connectors and press bails into open ends of flanges on plug until they are secured.

*Bail Lock Hardware Kits  
5552561-3 (Standard)  
5552561-4 (Bent)  
(One Kit Required Per Assembly)*

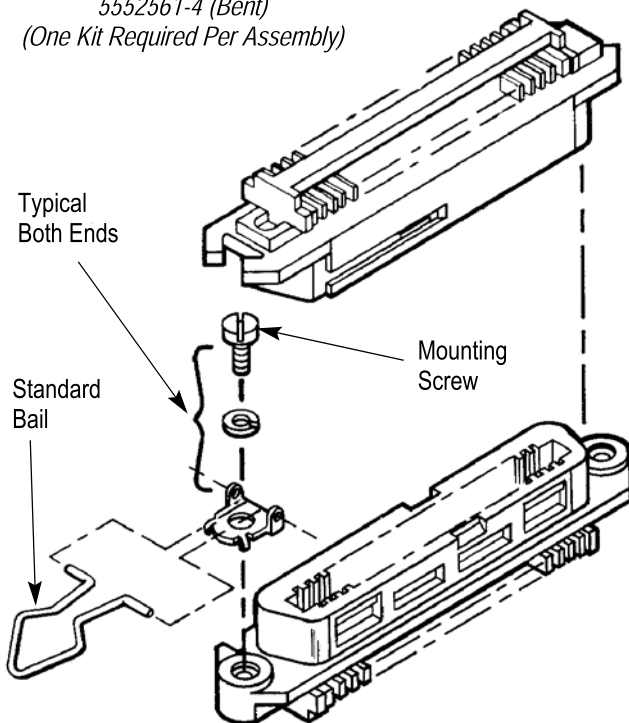


Figure 4

### 3.3. Bail Lock Hardware Kits 5552567-1 (Standard), 5552567-2 (Bent), and 5552567-3 (Thick Flange) (Figure 5) (For Cable-to-Panel Applications)

1. Position receptacle on panel.
2. Align bail clips and screws with mounting flange holes on the mating face side of receptacle connector.
3. Make sure bails are turned outboard, then secure with lockwashers and nuts.
4. Mate connectors and press bails into open ends of flanges on plug until they are secured.

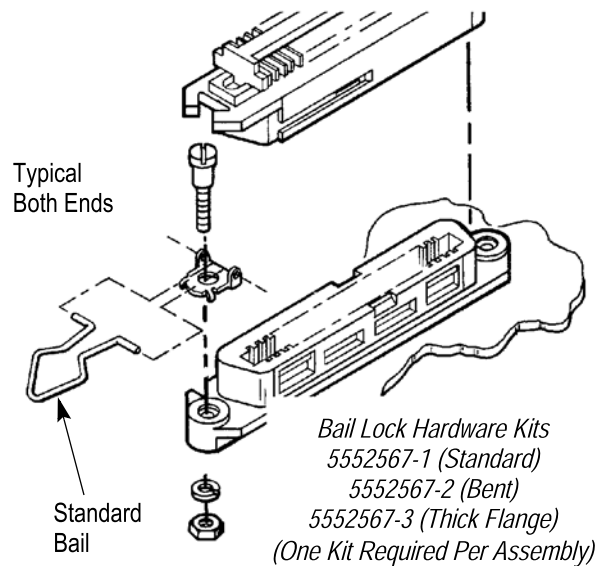


Figure 5

### 3.4. Screw Lock Hardware Kits 5552568-1 and 5552568-2 (Thick Flange) (Figure 6) (For Cable-to-Panel Application)

1. Thread captive screws into threaded holes in plug.
2. Position receptacle on rear of panel. Secure connector to panel with nuts, washers, and threaded standoff.
3. Mate connectors and secure by threading captive screws into standoffs.

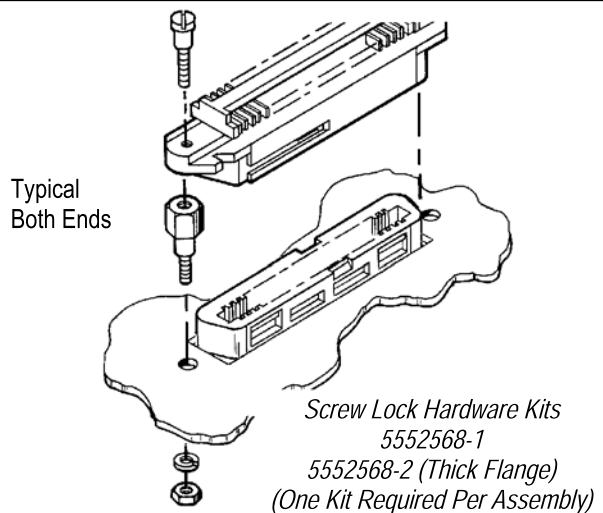


Figure 6

## 4. REVISION SUMMARY

Since the previous version of this document, the following changes were made:

- Changed to RoHS compliant part numbers.
- Updated document to corporate requirements.