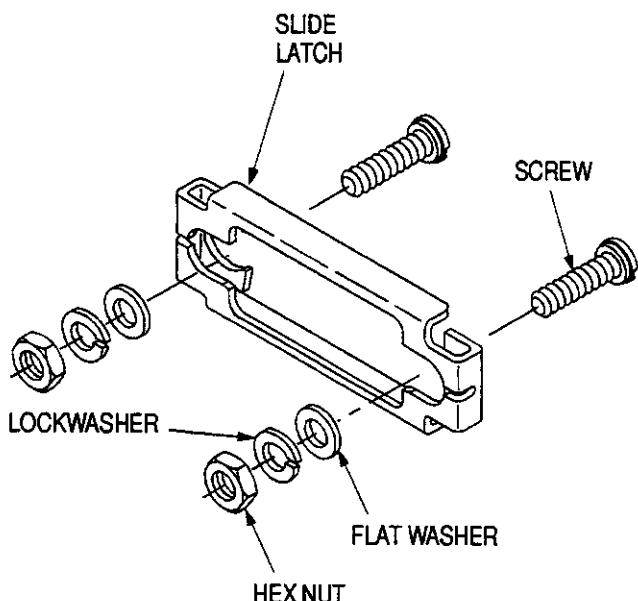
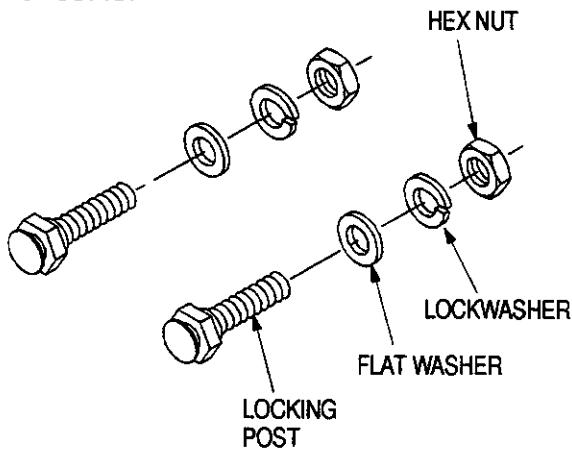


**SLIDE LATCH KIT****LOCKING POST KIT****Figure 1****1. INTRODUCTION**

This instruction sheet covers the assembly of AMP Slide Latch Kits 745404-[ ], 745583-[ ], 745584-[ ], 745407-[ ], 745578-[ ] and AMP Locking Post Kits 206514-[ ], 747242-[ ] onto AMPЛИMITE<sup>®</sup>

Subminiature D Connectors and connectors with cable clamp housings. The kits are designed to secure mating connectors in panel-mounting or free-hanging applications. Read these instructions carefully before assembling the kits.

**NOTE**

Measurements are in millimeters [followed by the inch equivalents in brackets]. Figures are for identification only and are not drawn to scale.

Reasons for reissue are provided in Section 5, REVISION SUMMARY.

**2. DESCRIPTION**

Each slide latch kit contains a slide latch, two lockwashers, two screws, two hex nuts, and two flat washers (if required). See Figure 1. There are three styles of slide latch kits (Style I, Style II, and Style III) which differ from one another in the components, screw thread size, and application of the connector being used.

Each locking post kit contains two locking posts, two hex nuts, two lockwashers, and two flat washers (if required). See Figure 1. There are two types of locking post kits: Type I and Type II, which differ from one another in the components, screw thread size and head thickness, and application of the connector being used.

**NOTE**

For specific component dimensioning or related product information, refer to Catalog 82068. For part numbers not referenced in the catalog, contact AMP Product Engineering for recommendations.

**3. APPLICATION AND ASSEMBLY**

Both types of locking post kits can be used with any style of the slide latch kits and any style of the slide latch kit can be used with both types of the locking post kit. The kit selection depends on the application: either free-hanging, front panel mounting or rear panel mounting. For panel-mounting applications, it is recommended that the locking post kit be assembled on the panel-mounted connector.

**3.1. Slide Latch Kit****A. Application (Figure 2)**

Style I kits are used with cable clamp housings that do not extend beyond the front flange of the connector or on connectors without cable clamp housings.

Style II kits are used on any cable clamp housings with a mounting ear configuration.

Style III kits are used on connectors without cable clamp housing or with cable clamp housings without a mounting ear configuration.

## SLIDE LATCH KIT

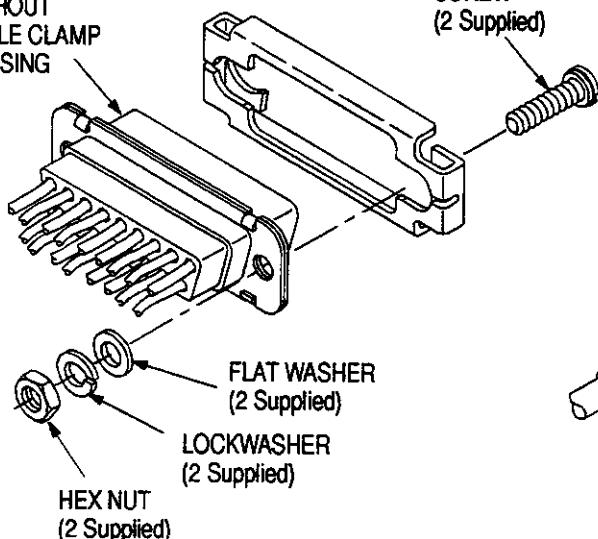
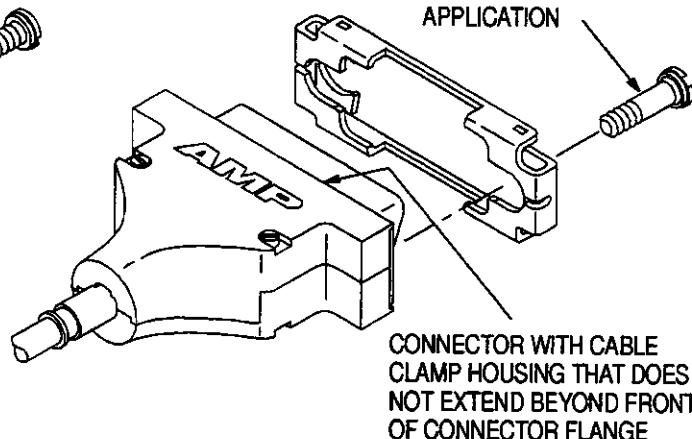
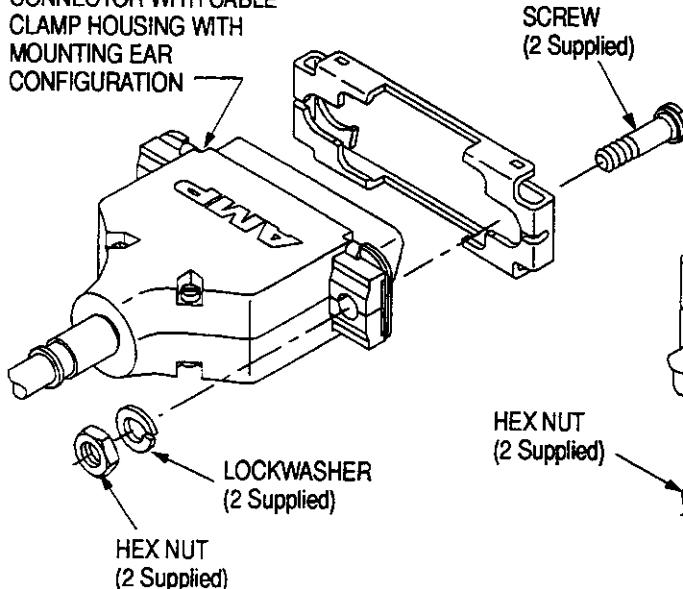
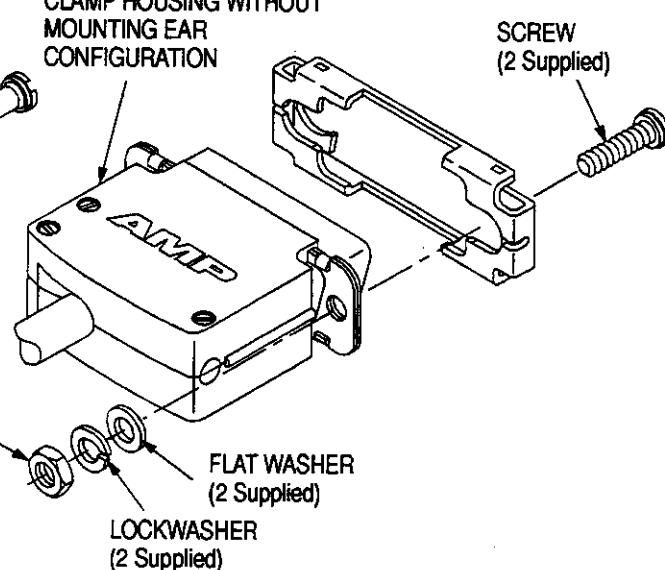
STYLE I (4-40 THREAD SIZE)  
FOR CONNECTOR SHELL SIZES 1 AND 4CONNECTOR  
WITHOUT  
CABLE CLAMP  
HOUSINGONLY THE TWO SCREWS  
ARE USED FOR THIS  
APPLICATIONSTYLE II (2-56 THREAD SIZE)  
FOR CONNECTOR SHELL SIZES 2, 3, AND 5CONNECTOR WITH CABLE  
CLAMP HOUSING WITH  
MOUNTING EAR  
CONFIGURATIONSTYLE III (4-40 THREAD SIZE)  
FOR CONNECTOR SHELL SIZE 2, 3, AND 5CONNECTOR WITH CABLE  
CLAMP HOUSING WITHOUT  
MOUNTING EAR  
CONFIGURATION

Figure 2

## B. Assembly

1. Secure one screw onto connector flange with flat washer (if supplied), lockwasher and hex nut. Tighten screw to .11 to .22 N·m [1 to 2 in.-lb.]. See Figure 3A.

2. Slide front side of slide latch over the installed screw to hold slide latch in position. See Figure 3B.

3. Thread remaining screw onto other side of connector flange with hardware and tighten to .11 to .22 N·m [1 to 2 in.-lb.].

4. Push slide latch from side-to-side to ensure proper movement.

## 3.2. Locking Post Kit (Figure 4)

## A. Type I (For use on cable clamp housing without mounting ear configuration)

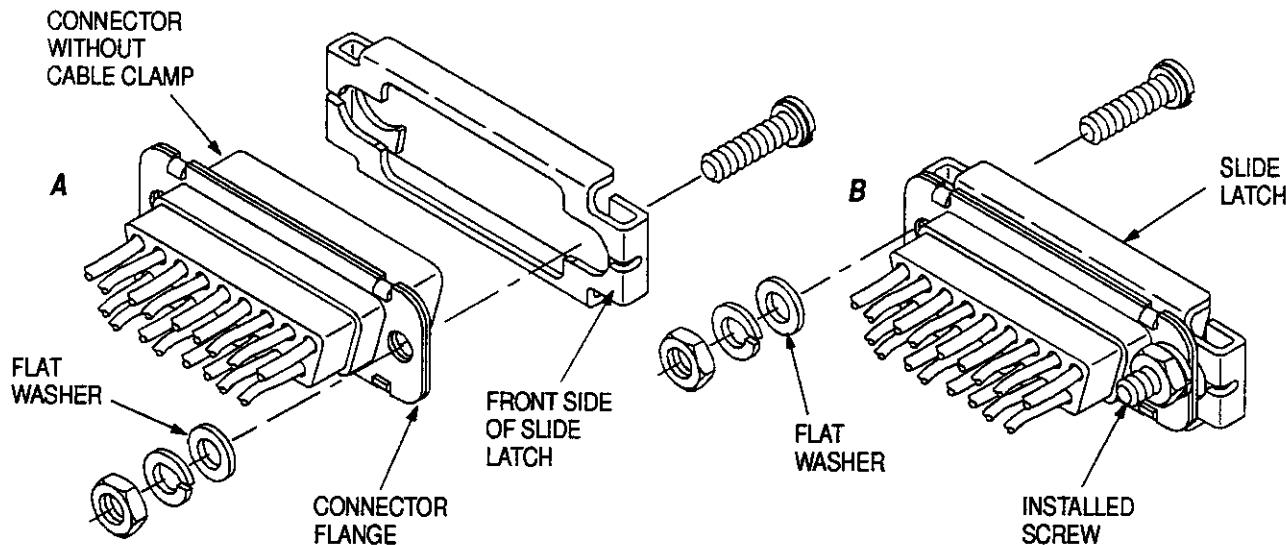


Figure 3

*Free-Hanging and Front Panel-Mounting Applications*

1. Install two flat washers on the locking post and then insert the post into the front of the connector mounting flange. If applicable, insert through panel.
2. Secure locking post with lockwasher and nut.

**NOTE**

*For front panel mounting, it is recommended that a shim be used between the connector flange and panel to prevent bowing of the flange. Shims are not supplied with kit. See Figure 4.*

*Rear Panel-Mounting Applications*

1. Determine the thickness of the panel and install flat washers on the locking post accordingly: use two flat washers for panels less than 0.76 mm [.030 in.] thick; use one flat washer for panels 0.76–1.52 mm [.030–.060 in.] thick; and do not use any flat washers for panels with a maximum thickness of 1.52 mm [.060 in.].

**NOTE**

*Use flat washers as specified to ensure full mating of connectors when they are latched.*

2. Insert locking post through panel and through connector flange.
  3. Secure locking post with lockwasher and nut.
  4. Discard unused flat washers.
- B. Type II (For use on cable clamp housing with mounting ear configuration)**

*Free-Hanging Applications*

1. Insert post into front of connector flange.
2. Secure locking post with lockwasher and nut.

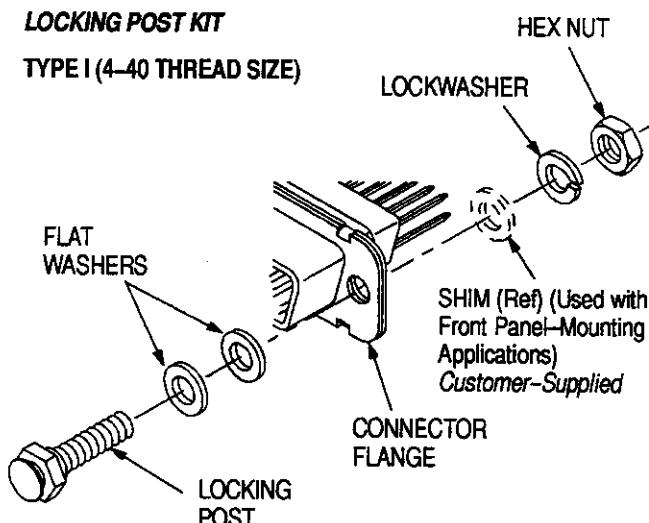
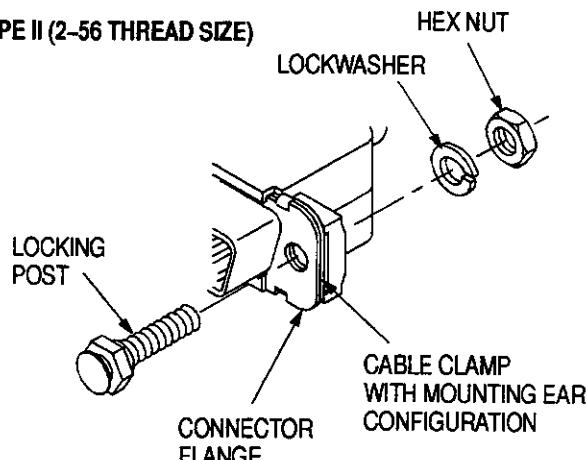
**LOCKING POST KIT**  
**TYPE I (4-40 THREAD SIZE)****TYPE II (2-56 THREAD SIZE)**

Figure 4

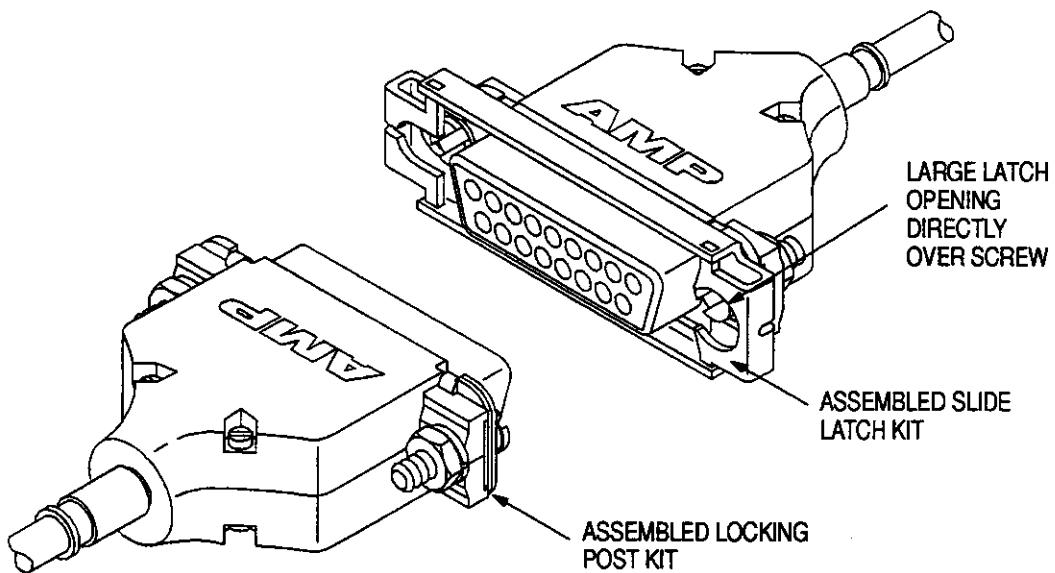


Figure 5

#### 4. ENGAGING AND DISENGAGING CONNECTORS

##### 4.1. Engaging Connectors (Figure 5)

1. Position the slide latch so that the large latch opening is directly over a slide latch screw.
2. Align the connector mating faces and plug the two connectors together.
3. Move slide latch from side-to-side to lock the connectors together.

##### 4.2. Disengaging Connectors

1. Move the slide latch from side-to-side until it snaps into the unlocking position.
2. Grasp the connectors and pull straight apart.

#### 5. REVISION SUMMARY

Revisions to this document include:

Per EC 0990-0252-93:

- New format
- Added metric dimensions

Per EC BD-5119:

- Removed flared edge on slide latch illustrations

Per EC 0020-0973-93:

- Added slide latch kit and locking post kit part numbers
- Added reference to Catalog 82068 for specific component dimensioning