

**AMP\* AMPLIMITE\* CABLE CLAMP**  
 KITS 737426-1, 737426-2, 737431-1, 737431-2, 737349-1, 737349-2

21 FEB 95 Rev. A

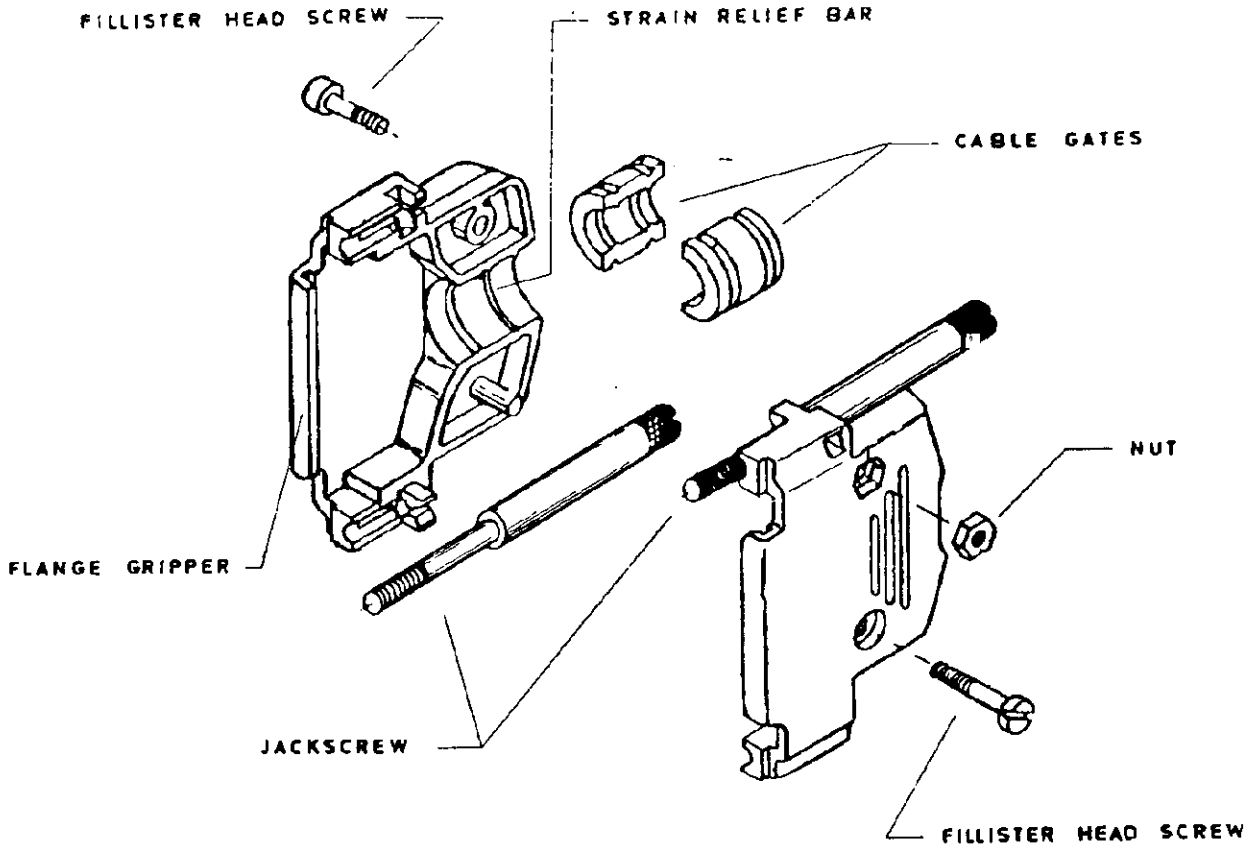


Figure 1

**1. INTRODUCTION**

This Instruction Sheet covers the use of plastic and nickel plated Cable Clamp Kit for AMPLIMITE High Density Connectors type HDP-20 crimp-on snap-in, HD-20 Solder Cup Connector and HDE.

Read these instructions carefully before assembling any kits.

**NOTES**

All dimensions presented on this Instruction Sheet are in mm.

**2. DESCRIPTION (Figure 1)**

The Cable Clamps are designed to straight cable exit and each Cable Clamp Kit consists of two symmetrical Cable Clamps which contain strain relief bars to retain the max. allowed diameter cable or to fit on cable gates to be used with smaller diameter cables. Figure 2 shows the cross-reference between cable diameter and proper cable gate size.

Each kit also includes the jackscrews, two fillster head screws and two nuts.

Nr. OF CONT POS KIT PN	GATE SIZE	DIA. OF CABLE (mm)
25 pos.  737349	none	12,7
	3 C	10,7
	3 B	8,6
	3 A	6,3
15 pos.  737431	none	12,7
	Big - Big	8,1
	Big - Small	6,6
	Small - Small	5,0
9 pos.  737426	none	8,2
	Big - Big	6,8
	Big - Small	5,5
	Small - Small	4,1

Figure 2

**3. ASSEMBLY PROCEDURE (Figures 3 and 4)**

**3.1 Unshielded Cable**

Determine that you have the correct Cable Clamp Kit for the AMPLIMITE connector you are using and proceed as follows:

- a. Terminate the conductors in the connector you are using according to the instructions packaged with the connector.

**NOTE** Ensure that you maintain 25 mm length on individual conductors when using jacketed cable.

- b. Attach the jackscrews to the half Cable Clamp pushing them into the locking device.
- c. Select the adequate cable gates as per cross-reference shown in Figure 2 according to the diameter of the cable you have terminated with the connector, and insert them into the strain relief bars provided in both half Cable Clamps.
- d. Position one half of Cable Clamps on cable and connector. Ensure that flange of connector is behind flange gripper of Clamp and that cable gates (if necessary) are positioned in strain relief grooves of both half Cable Clamps.
- e. Position other half of Cable Clamp on top of cable and secure with attached nuts and fillister head screws.

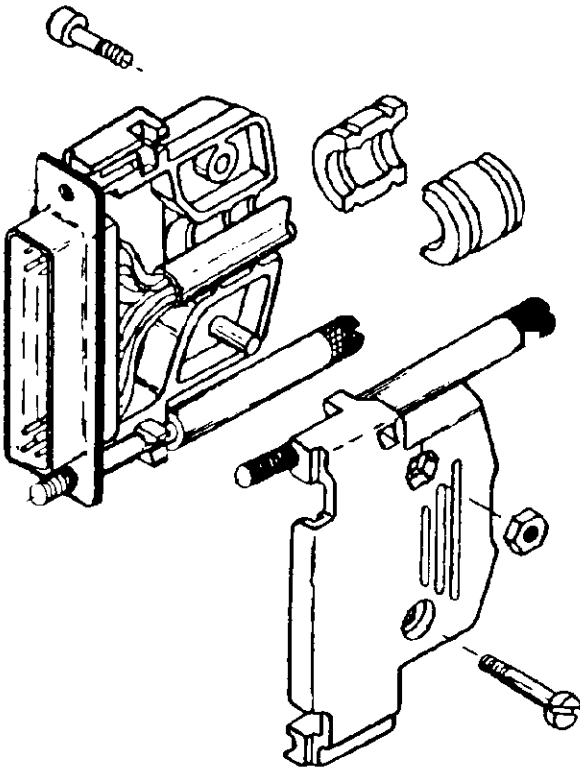


Figure 3

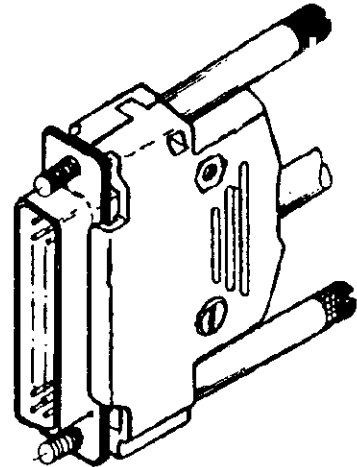


Figure 4

### 3.2 Shielded Cable

Determine that you have the correct Cable Clamp Kit for the AMPLIMITE connector you are using and proceed as follows:

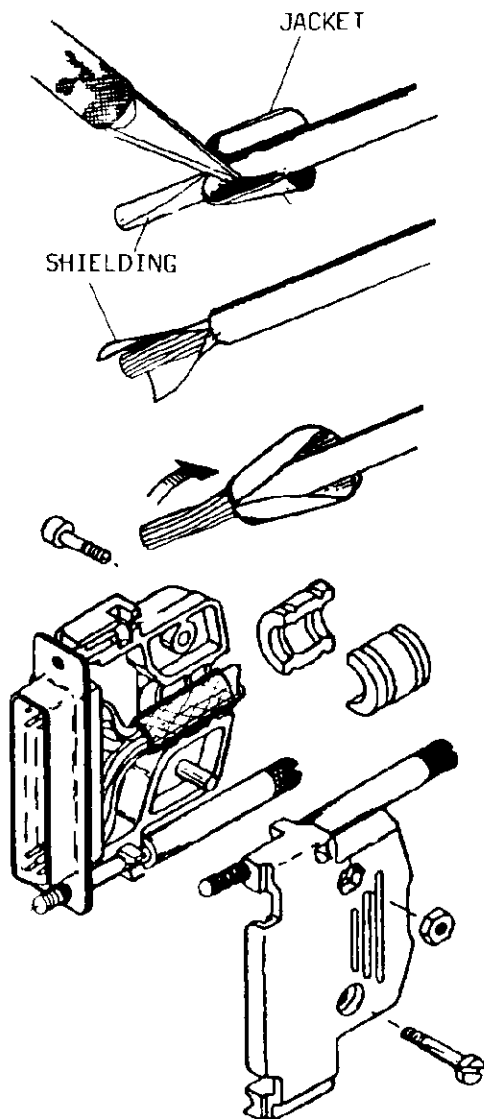
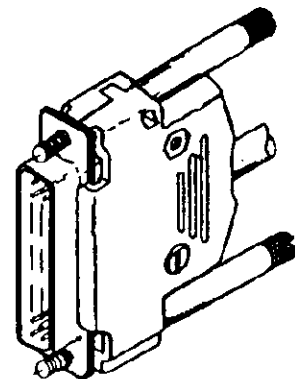
- a. Terminate the conductors in the connector you are using according to the instructions packaged with the connector.

**NOTE**

Ensure that you maintain 25 mm length on individual conductors when using jacketed cables.

- b. Cut the cable jacket taking care not to damage the shielding. The cutting length shall be enough to ensure that the shielding will be imprisoned by the cable gates area when it is bent back.
- c. Bend back the shielding to cover the cable jacket.
- d. Attach the jackscrews to the half Cable Clamp pushing them into the locking device.

- e. Select the adequate cable gates as per cross-reference shown in Figure 2 according to the diameter of the cable you have terminated with the connector, and insert them into the strain relief bars provided in both half cable clamps.
- f. Position one half of Cable Clamps on cable and connector. Ensure that flange of connector is behind flange gripper of clamp and that cable gates (if necessary) are positioned in strain relief grooves of both half Cable Clamps.
- g. Be sure the shielding is properly positioned in the cable gates area (See Figure 5).
- h. Position other half of Cable Clamp on top of cable and secure with attached nuts and fillister head screws.

*Figure 5**Figure 6*