AMP INCORPORATED
HARRISBURG PA U.S.A.

AMP-LEAF ★ COMMONING SPRINGS USED WITH AMP-UNYT ★ CONNECTORS

IS 7419	
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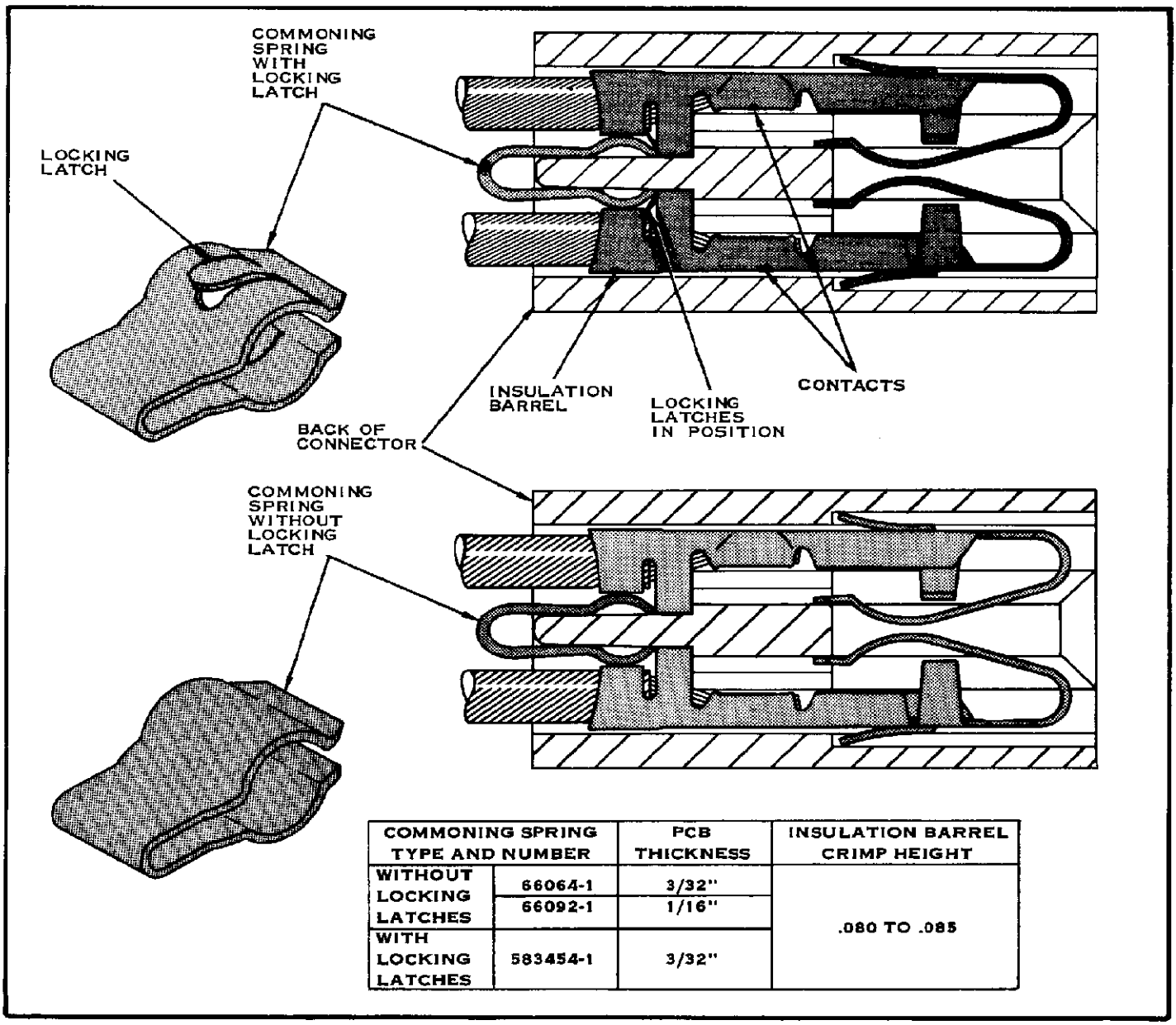

COMMONING SPRING TYPE AND NUMBER		PCB THICKNESS	INSULATION BARREL CRIMP HEIGHT
WITHOUT LOCKING LATCHES	66064-1	3/32"	.080 TO .085
	66092-1	1/16"	
WITH LOCKING LATCHES	583454-1	3/32"	

FIGURE 1

1. INTRODUCTION

The A-MP ★ Commoning Springs listed in Figure 1 are designed to transmit a single circuit between two AMP-LEAF Contacts in an AMP-UNYT Connector.

The Crimp Height of the Insulation Barrel must be within the range specified in the chart to ensure conductivity.

2. DESCRIPTION

Commoning Springs are available with or without Locking Latches as shown in Figure 1. The springs with Locking Latches are designed to lock in place; preventing inadvertent removal of the spring. They cannot be properly removed without first extracting both contacts simultaneously. Springs without locking latches produce sufficient retension between the contacts and can be removed without removing the contacts.

We recommend a pair of needle nose pliers for installing and removing the commoning springs.

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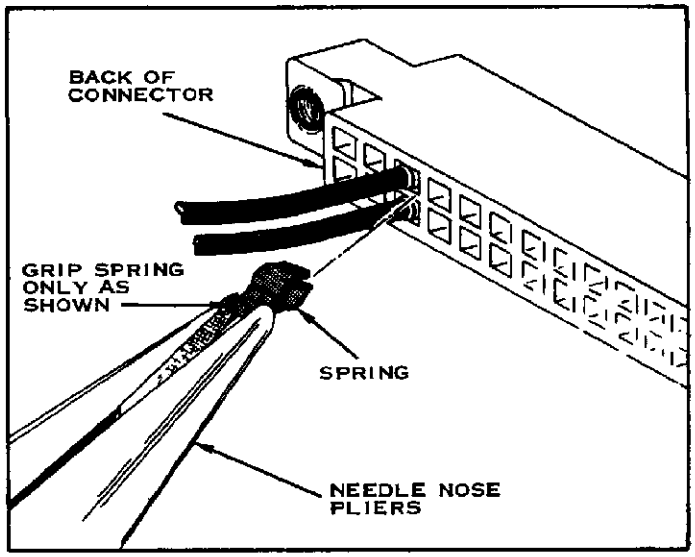

FIGURE 2

3. INSTALLATION PROCEDURE

Install the spring as follows:

1. Grip the sides of the spring with the pliers as shown in Figure 2.

CAUTION Do not grip the spring on the flat surfaces as this may deform and prevent proper retension of the spring.

2. Align the spring with the cavity, then push the spring in between the contacts until it bottoms in the connector. Remove the pliers and check the spring for proper installation. The back of the spring should be parallel with the back of the connector.

NOTE Install springs with Locking Latches as described in Step 1 and 2; then holding the spring in place, pull back on the wires of the contact until you hear a faint click. This will ensure that the locking latches are locked in place as shown in Figure 1.

4. REMOVING COMMONING SPRINGS

Remove springs without locking latches as follows:

1. With the connector block secured, grip the sides of the spring with a pair of needle nose pliers and pull the spring straight out of the cavity.

Remove springs with locking latches as follows:

1. First, to remove the spring without damaging the spring and/or contacts, release both opposing contacts using an extraction tool. We recommend the A-MP Extraction Tool 465195. Read the instructions (IS 7045) packaged with this tool.

2. After releasing the contact, pull straight out on the wires and the spring will back out with the contacts.