



## SERVICE BULLETIN

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**Title:** Motor Terminal Lugs  
**Models Affected:** All Hermetic Chillers

**Number:** C9702  
**Date:** 1/23/97  
**Supersedes:** C8701  
**Date:** 3/10/87

**Purpose:**

To give updated part numbers for motor terminal lugs by AMP Inc., Thomas and Betts, and Burndy, along with phone numbers for product information.

**File:** Controls–Wiring

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## Background:

The following tables list standard AMP, Thomas and Betts, and Burndy terminal lugs for wire sizes from 6 AWG through 600 MCM. The lugs are crimped on the power wires using a crimping tool, and have one or two holes. The 1-hole lugs will mount directly to the motor terminal studs, and will accommodate the stud sizes indicated in the list. The 2-hole lugs all have 1/2" holes, and are mounted to the current high voltage lug adapter (PN 02XB05002901) using two 1/2" bolts. This high voltage lug adapter is threaded to the 9/16" stud on the motor, and is used on all current high voltage chillers.

## Information:

AMP Inc. (Phone 800-522-6752)

Wire Size	5/8" Stud 1-hole	3/4" Stud 1-hole	7/8" Stud 1-hole	1/2" Studs 2-holes
6AWG	36809	36810		
4AWG	35669	35670		
3AWG				
2AWG	320754	320755		
1AWG				
1/0AWG	320744	320748		53680-2

**AMP Inc. (Phone 800-522-6752) (Continued)**

<b>Wire Size</b>	<b>5/8" Stud 1-hole</b>	<b>3/4" Stud 1-hole</b>	<b>7/8" Stud 1-hole</b>	<b>1/2" Studs 2-holes</b>
2/0AWG	322224	322225		53681-2
3/0AWG	322222	322223		53682-2
4/0AWG	322227	322228	321625	53683-2
250MCM	323050	323140		327258
300MCM	323050	323140		53684-2
350MCM	324105	322428		53641-2
400MCM	324202	323222		
500MCM	322270	322271		53642-2
600MCM	322270	322271		

**Thomas and Betts (Phone 901-682-7766)**

<b>Wire Size</b>	<b>5/8" Stud 1-hole</b>	<b>1/2" Studs 2-holes</b>	<b>1/2" Studs (Long Barrel Type) 2-holes</b>
2/0AWG		54476	54862BE
3/0AWG		54478	54864BE
4/0AWG	58166	54479	54866BE
250MCM		54480	54868BE
300MCM	54181		54870BE
350MCM	54183	54482	54872BE
400MCM	54185		54874BE
500MCM	54187	54484	54876BE
600MCM	54120		54878BE

**Burndy (Phone 800-346-4175)**

<b>Wire Size</b>	<b>5/8" Stud 1-hole</b>	<b>3/4" Stud 1-hole</b>	<b>7/8" Stud 1-hole</b>	<b>1/2" Studs 2-holes</b>
6AWG				YA6C-2N
4AWG				YA4C-2N
3AWG				YA3C-2N
2AWG				YA2C-2N
1AWG				YA1C-2N
1/0AWG				YA25-2N
2/0AWG	YA26-L7	YA26-L60		YA26-2N
3/0AWG				YA27-2N
4/0AWG	YA28-L17	YA28-L56		YA28-2N
250MCM			YA29L-TC78	YA29-2N
300MCM	YA30-L7		YA30-L27	YA30-2N
350MCM	YA31-L7		YA31-L36	YA31-2N
400MCM	YA32-L		YA32L-TC78	YA32-2N

**Burndy (Phone 800-346-4175) (Continued)**

<b>Wire Size</b>	<b>5/8" Stud 1-hole</b>	<b>3/4" Stud 1-hole</b>	<b>7/8" Stud 1-hole</b>	<b>1/2" Studs 2-holes</b>
500MCM	YA34-L	YA34-L8	YA34-L9	YA34-2N
600MCM	YA36-L		YA36L-TC78	YA36-2N

**Note:** Part numbers are taken from current manufacturer's catalogs and are subject to change.  
Selection of parts must be confirmed with the manufacturer before an order is placed.

Terminal lugs which are not available may be made by drilling available lugs to required size, as long as adequate stock remains.

# Typical 1-hole Lug



# Typical 2-hole Lug



## Current High Voltage Lug

