

3200MP MOLEX TRIFURCON TERMINALS

C9003A
02/14/90
01/25/90
C9003

3200MP

Purpose:

To provide information on a new style of crimp terminal and terminal housing for the 3200MP post type electrical connections. A kit is available through RCD that contains these new items.

Background:

The original Amp post and plug type electrical connections on the 3200MP processor board, I/O board, analog expansion board, and the ESP were troublesome due to poor electrical contact between the post and the crimp terminal. This condition resulted in numerous false alarm conditions and mis-diagnosis of a problem.

The terminals and housings are named after the manufacturer. The original Amp terminals used on the 3200MP circuit boards used only one face to contact the post on the board. A Molex style terminal was next to be utilized. This terminal used spring tension to place more force on the post, but still used one face of the post for an electrical contact. In use since 1/1/89 is a newer style 'Trifurcon' crimp terminal, manufactured by Molex. This terminal makes contact with three sides of the post, which leads to far fewer problems with poor connections. The housings for each type of terminal are designed for each style and are not interchangeable.

Note that the original Molex and the Amp Housings appear similar, with indentations on the face. The Molex Trifurcon has a new appearance, without the indentations. The posts on the circuit boards have not changed.

Recommendations:

An RCD kit (32MP660-009) has been available with parts to change from Amp style terminals and housings to the original Molex style. A new kit is now available (P/N 32MP660-015) which consists of the old terminal kit, 32MP660-009, plus the new Trifurcon terminals and housings. Order the kits as required to accomplish the task for your individual machine. Multiple kits are required for any complete terminal retrofit, such as on an existing 19 series control panel.

FILE INSTRUCTIONS: CONTROLS/WIRING

MAIL KEYS: 2.33B, 2.33D, 2.40B, 2.45, 2.53, 5.14A

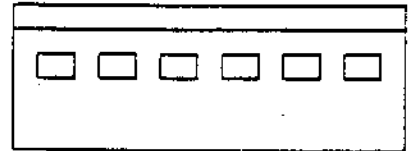

Donald W. Berdan


Alan M. Johnson

OLD STYLE



NEW STYLE



BOARD PIN END VIEW

Kit 32MP660-015	Original Molex and Molex Trifurcon	Contents:
32MP660-009	MOLEX STYLE TERMINAL KIT (See below)	1
HY57MP008	TRIFURCON TERMINAL 08-50-0189	50
HY07MP502	HOUSING - 2 CIRCUIT 26-03-4020	3
-503	HOUSING - 3 CIRCUIT -4030	1
-504	HOUSING - 4 CIRCUIT -4041	1
-506	HOUSING - 6 CIRCUIT -4061	1
-509	HOUSING - 9 CIRCUIT -4090	1
-510	HOUSING - 10 CIRCUIT -4101	1
-512	HOUSING - 12 CIRCUIT -4121	1
-513	HOUSING - 13 CIRCUIT -4131	1
-514	HOUSING - 14 CIRCUIT -4141	1
-516	HOUSING - 16 CIRCUIT -4161	1

Kit 32MP660-009 Original Molex Style -- Contents:

<u>CARRIER #</u>	<u>ITEM</u>	<u>QTY</u>
HY57MP010	TERMINAL 08-5--0106	50
HY07MP202	HOUSING - 2 CIRCUIT 09-50-3021	3
-203	HOUSING - 3 CIRCUIT -3031	1
-204	HOUSING - 4 CIRCUIT -3041	1
-206	HOUSING - 6 CIRCUIT -3061	1
-209	HOUSING - 9 CIRCUIT -3091	1
-210	HOUSING - 10 CIRCUIT -3101	1
-212	HOUSING - 12 CIRCUIT 3121	1
-213	HOUSING - 13 CIRCUIT 3131	1
-214	HOUSING - 14 CIRCUIT 3141	1
-216	HOUSING - 16 CIRCUIT 3161	1

Further Information:

To obtain Molex parts directly, locate a local dealer or call customer service at Molex HQ. Phone 312/969.4550.

These Kits are most useful for:

1. Reworking assemblies that are making erratic electrical contact.
2. Making up new harnesses required when a standard 19DK panel is used rather than the 32MP660-006B Retrokit.
3. Adding additional spare sensors that can be used for ESP II software.