SERVICE BULLETIN

SUBJECT: 3200MP MOLEX TRIFURCON TERMINALS

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PURPOSE

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

MACHINES AFFECTED

All 17/19 series machines with 3200MP Controls

BACKGROUND

The original Amp terminal used on the 3200MP circuit boards had only one face to contact the post on the board. Amp terminals were replaced with a Molex style with spring tension to place more force on the post but still contacted just one face of the post. Since 1/1/89 a newer style "Trifurcon" crimp terminal, also manufactured by Molex, has been used. This terminal makes contact with three sides of the post.

The housings for the "Trifurcon" terminals are not interchangeable with the earlier styles. The original Amp and Moles terminals fit in the same housings. The Molex Trifurcon terminals require a new housing that does not have indentations on the face as the earlier designs had. The posts on the circuit boards have not changed.

RECOMMENDATIONS

A Replacement Components Division kit, Part No. 32MP660-009, has been available with parts to change from Amp style terminals and housings to the original Molex style. A new kit, Part No. 32MP660-015, is now available which consists of the old terminal kit, Part No. 32MP660-009, plus 50 new Trifurcon terminals and several housings. Order the kits as required to accomplish the task for your individual machine. Two kits are required for any complete terminal retrofit such as on an existing 32MP series control panel.

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Carrier Part No.	Item	Mfg. Part No.	Quantity
Kit 32MP660-015 - Original Molex and Molex Trifurcon contains:			
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

Also includes:

Kit 32MP660-009 - Original Molex style which contains:			
HY57MP010	Terminal	08-50-0106	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

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.