

electronic rebuilders

a division of National Parts Distributing Ltd

trouble shooting tips

NO. 18 Installing C2000-K or PIcon-K Progressive International Console with Kraus Micon & MTI (D&H) EQ30 or EL6.0 Heads - Issues

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We have discovered a number of conditions where the C2000-K Console will not work or work correctly with both Kraus Micon Heads and MTI (D&H) Eq30 or EL6.0 Heads. We will deal with each of these below:

Kraus Micon Heads

Micon 100

SKIL 152 A15 Boards and must have version DANPMP3.1 or DANPMP3.2 Software.

SKIL 421 Boards must have version V7.03 Software.

Micon 200

SKIL 252 Boards must have version V6.3 Software. *Note! Will not work on two tier pricing!*

SKIL 350 Boards must have version V 7.03 or V1.09 Software. *Note! Will not work on two tier pricing!*

Micon 500

Units must have version V1.33 Software and be equipped with the optional piggyback SKIL 472 MNET Interface Board to provide serial interface. *Note! Will not work on two tier pricing!*

MTI (D&H) EQ30 Heads

CPU Board

Must have version V1.42 Software in order for shift reports to function properly.

MTI EQ30 Power Supply

Must be Revision 3 or 4 or a "Modified" Revision 1 or 2 board to enable Kraus MNET communication.

All boards show revision 2 on the front of the board and the actual revision number is only marked on the rear of the board. Therefore for quick identification refer to Figure 1. Once you have established that you have a revision 1 or 2 board you will have to remove it from the Explosion Proof housing to determine if it is modified. Modified version 1 or 2 boards will have a transistor and 2 resistors soldered to the back of the board behind Microprocessor U1.

If R8 is 30K (Orange/Black/Orange Bands or check with ohmmeter) needs to be 1.0K (Brown/Black/Red Bands)

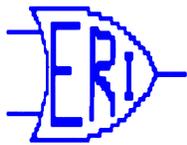
If R9 is 30K (Orange/Black/Orange Bands or check with ohmmeter) needs to be 1.0K (Brown/Black/Red Bands)

MTI EL6.0 Power Supply

If R24 is 30K (surface mount check with ohmmeter) needs to be 1.0K

If R25 is 30K (surface mount check with ohmmeter) needs to be 1.0K

Note! If the above Power supplies are 30K you will need to change them. We have a special exchange price on these provided nothing else is wrong with the Power Supply. Contact us immediately!



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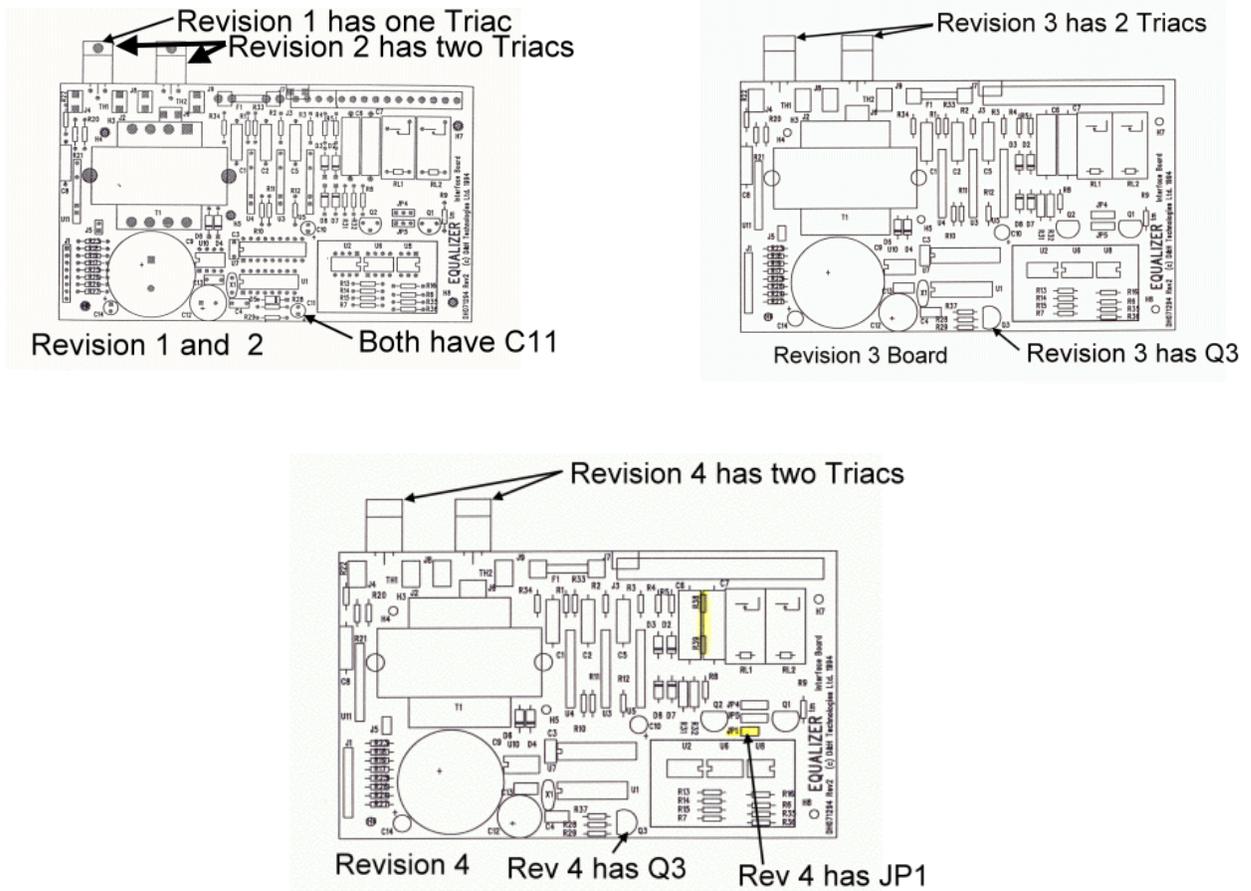


Figure 1

Wiring to the C2000-K is also different for various revisions.

Revision 1, 2, 3 and Revision 4 with JP1 installed:

- Com 1 (Red 22 Ga)#11 = DCC (Data Channel Common)
- Com 2 (Blk 22 Ga)#12 = TTP (Transmit to Pump)
- Com 3 (Grn 22 Ga)#13 = TTC (Transmit to Console)

Revision 4 with JP1 removed:

- Com 1 (Red 22 Ga)#11 = DCC (Data Channel Common)
- Com 2 (Blk 22 Ga)#12 = TTP (Transmit to Pump)
- Com 4 (Yel 22 Ga)#1 = TTC (Transmit to Console)

For all Power Supplies Jumper JP4 and JP5 must be set as follows:

- JP4 = * _ * (shunt 1 & 2)(To the left)
- JP5 = * * _ * (shunt 2 & 3)(To the right)