

Circuit Board Replacement for Vantage® Manual Spray Gun Control Units

Replacing the Circuit Board



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



CAUTION: Electrostatic sensitive device. To avoid damaging the circuit board, wear a grounding wrist strap and use proper grounding techniques.

1. Turn off the control unit and disconnect it from its input power source.
2. Relieve supply air pressure and disconnect the control unit from its input air supply.
3. Remove the control unit's cover.
4. See Figure 2. Disconnect all wiring harness from the printed circuit board.
5. Remove the four screws and washers securing the circuit board to the control unit, then remove the circuit board.
6. Secure the new circuit board to the control unit using the screws and washers you removed in step 5.
7. Connect the wiring harnesses to the circuit board as shown in Figure 2.
8. See Figure 2. Make sure the jumpers at JP1 and JP2 are in the appropriate locations.
9. Install the cover and connect the control unit to its air and power supplies.
10. Perform the *Selecting Gun Type* procedure to select the type of gun will be connected to the control unit.

Selecting Gun Type

Use this procedure to configure which type of spray gun will be controlled by the control unit.

1. See Figure 1. Make sure that the power switch (1) is in the off position.
2. While holding down the kV/AFC key (4), turn the power switch to the on position. A code will appear in the display (2), identifying the currently selected gun type.
3. Use the +/- keys (3) to select the appropriate gun type code.

Spray Gun	Code
Econo-Coat	C-1
Versa-Spray	C-2
Sure Coat	C-3
Tribomatic	C-4
Kinetix	C-5
N80	C-6
Vantage	
Econo-Coat (output Voltage limited to 80 kV)	C-7

4. Press the kV/AFC key to save the gun type and begin operation.

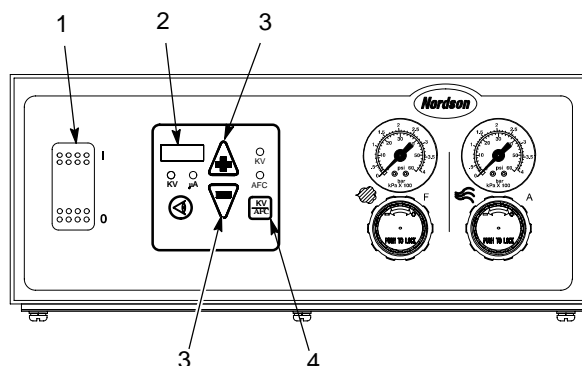


Figure 1 Selecting Gun Type

Circuit Board Configuration

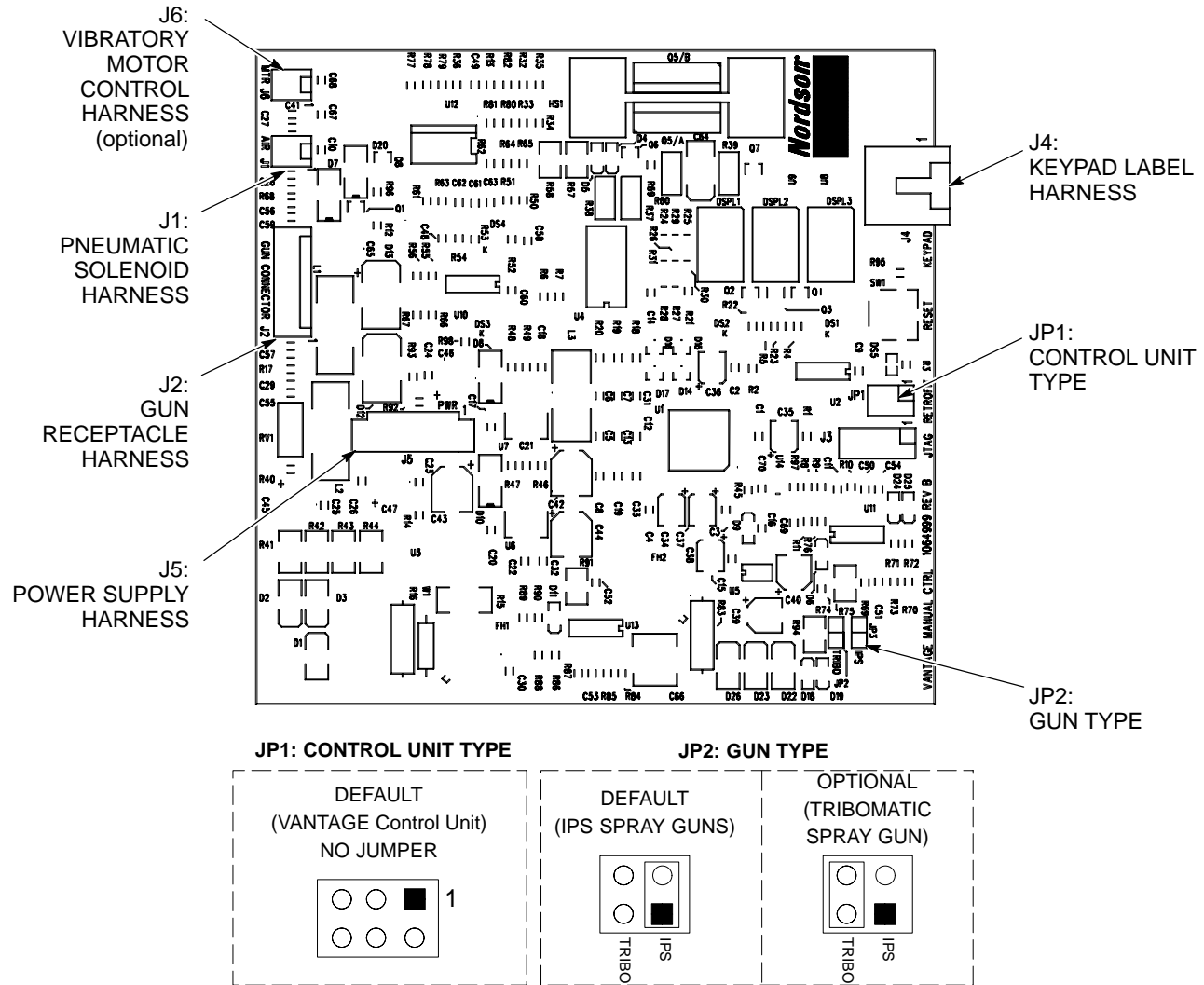


Figure 2 Circuit Board Configuration

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