

MODEL 221 CROSSOVER ASSEMBLY

PART NUMBER 12M03-00123-01
APPLICATION NOTES

1. If an armature voltage higher than 250 volts is required, a 50K divider consisting of two 25K, 5 watt resistors (or one 50K wirewound resistor with center-tap slider) should be connected across the armature. A maximum 250 volt signal from the divider is then applied to terminals 5 and 6.
2. If full isolation from the armature loop is required, a Signal Isolator such as the REFLEX Model 213 may be used.
3. The Model 221 Crossover Assembly is connected to the Model 216 Power Converter as shown in Figure 2.

The Drive Armature Regulator is normally configured for Tachometer feedback. An alternate scheme using the Model 209 Multiplier is available if a tachometer generator can not be used (See Data Sheet DS6200-0101).

4. To facilitate troubleshooting it is desirable to tie in the common terminals to the Main Drive common.

This must be tied in if the Model 227 Test Meter is used.

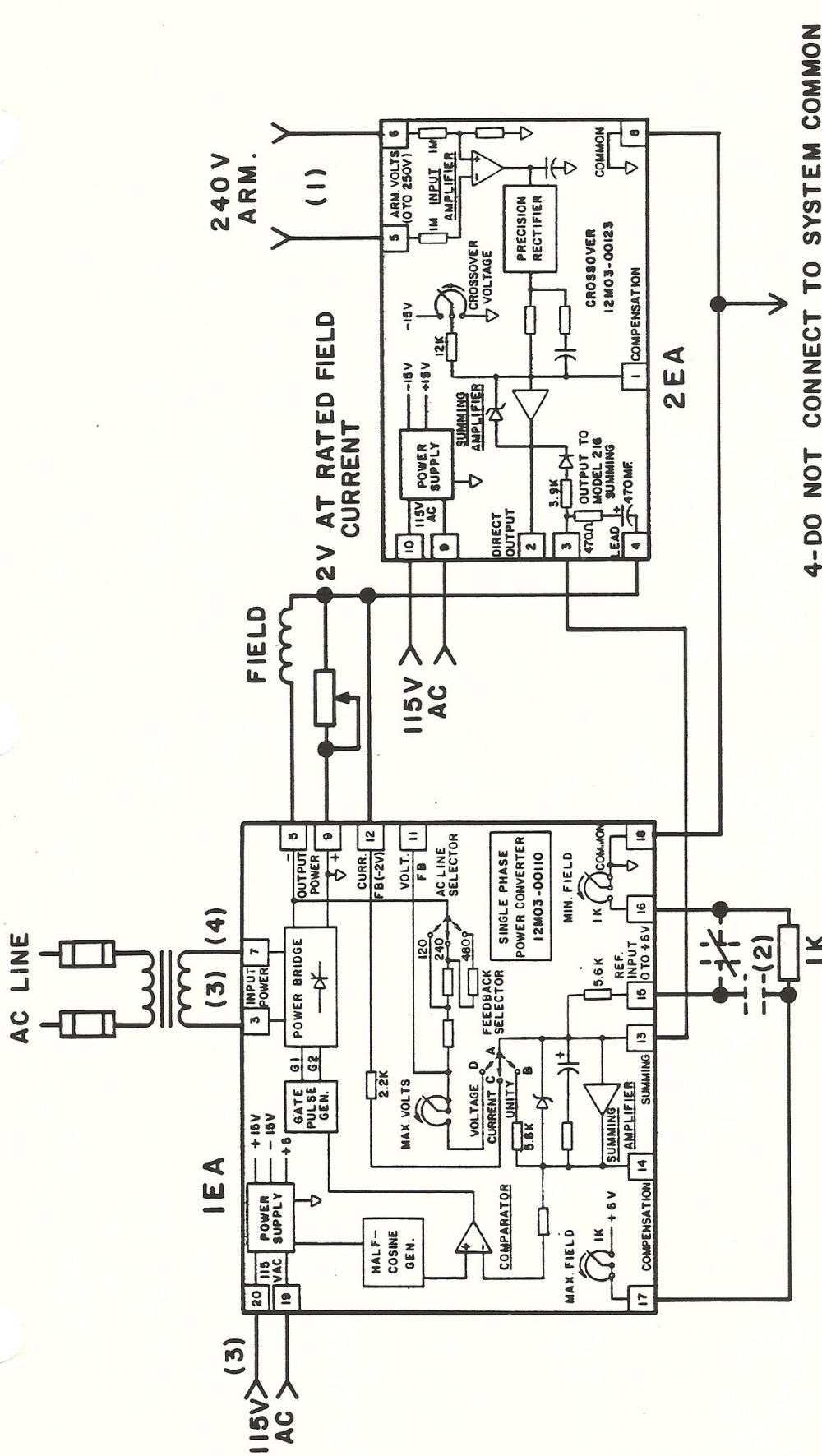
AN ISOLATION TRANSFORMER MUST BE USED ON THE AC INPUT POWER (TERMINALS 3 AND 7) OF THE MODEL 216 POWER CONVERTER IF ANY PART OF ITS CIRCUITRY OTHER THAN THE 115 VOLT AC SUPPLY POWER (TERMINALS 19 AND 20) IS CONNECTED TO ANY PART OF THE MAIN DRIVE CIRCUITRY.

DO NOT CONNECT COMMON TO EARTH GROUND UNLESS AN ISOLATION TRANSFORMER IS USED!



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NOTES:

- 1 - FOR 500V ARMATURE ADD A VOLTAGE DIVIDER CONSISTING OF 2-25K, 5W RESISTORS.
- 2 - FOR FIELD ECONOMIZING.
- 3 - SAME AC PHASE.

JUMPER:

1EA - A-C

4-DO NOT CONNECT TO SYSTEM COMMON UNLESS AN ISOLATION TRANSFORMER IS USED FOR INPUT POWER (TERMINALS 3 AND 7 OF THE MODEL 216)

ARMATURE / FIELD CROSSOVER

MODEL 221 / 216

FIGURE 2