⚠ WARNING

HAZARDOUS MOVING PARTS

Before starting the enclosed drive, ensure that personnel are clear of the motor and its connected load and that the motor and load are ready to run.

Failure to follow these instructions can result in death or serious injury.

Checking and Correcting Motor Rotation

12. Power circuit W or Y, Series D: Set the AFC-Off-Bypass selector switch (if used) to AFC. Check the direction of motor rotation.
    - — If correct, proceed to Step 17 on page 82.
    - — If incorrect, turn the AFC-Off-Bypass selector switch back to Off or press STOP on the power converter control keypad.

    Power circuit Y, Series E: Set the AFC-Bypass selector switch to AFC. Set the Hand-Off-Auto (HOA) selector switch to Hand. Check the direction of motor rotation then set the HOA switch back to Off. If rotation is correct, proceed to Step 17.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Turn off all power supplying this equipment.
- Wait 15 minutes.
- Perform the “DC Bus Voltage Measurement Procedure” beginning on page 56 before proceeding.

Failure to follow these instructions will result in death or serious injury.

13. Correct the direction of motor rotation by reversing any two motor leads connected to the enclosed drive output (see Step 6, page 79).
14. Close and secure the enclosure door. Close the equipment disconnect means. The Power On pilot light illuminates.
15. Power circuit W or Y, Series D: Set the AFC-Off-Bypass selector switch (if used) to AFC. Check the direction of motor rotation. If correct, this completes the drive mode, motor rotation check. Turn the AFC-Off-Bypass selector switch back to Off or press STOP on the power converter control keypad. For Non-Bypass Power Circuit W, skip to Step 20 on page 83.

Power circuit Y, Series E: Set the AFC-Bypass selector switch to AFC. Set the Hand-Off-Auto (HOA) selector switch to Hand. Check the direction of motor rotation then set the HOA switch back to Off. If the rotation is correct, this completes the drive mode, motor rotation check. For Non-Bypass Power Circuit W, skip to Step 20.

Checking and Correcting Motor Rotation in Bypass Mode

16. Power circuit W or Y, Series D: Momentarily set the AFC-Off-Bypass selector switch to Bypass to check the direction of motor rotation, then return it immediately to the Off position.

    — If the direction of motor rotation is correct, proceed to Step 20.

    — If the direction of motor rotation is incorrect, stop the enclosed drive. **Remove all power!**

    Power circuit Y, Series E: Set the AFC-Bypass selector switch to Bypass. Set the HOA switch to Hand. Check the direction of motor rotation then set the HOA switch back to Off. If the direction of motor rotation is correct, proceed to Step 20. If incorrect, stop the enclosed drive. **Remove all power!**

    NOTE: If the enclosed drive circuit breaker trips during this test, a higher trip setting may be required. Refer to “Adjusting Mag-Gard or PowerPact Magnetic Trip Setting” on page 84.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Turn off all power supplying this equipment.
- Wait 15 minutes.
- Perform the “DC Bus Voltage Measurement Procedure” beginning on page 56 before proceeding.

Failure to follow these instructions will result in death or serious injury.

17. Correct the direction of motor rotation by reversing any two incoming leads to the circuit breaker disconnect means marked L1, L2, or L3.
18. Power circuit Y, Series D: Momentarily set the AFC-Off-Bypass selector switch to Bypass to check the direction of motor rotation, then return it immediately to the Off position. If correct, this completes the bypass mode motor rotation check.

    Power circuit Y, Series E: Set the AFC-Bypass selector switch to Bypass. Set the HOA switch to Hand. Check the direction of motor rotation then set the HOA switch back to Off. If the direction of motor rotation is correct, this completes the bypass mode motor rotation check.

