



SPARE CIRCUIT BREAKERS, DO YOU HAVE ONE?

Avoid the frustration of coming up short during an **EMERGENCY** breakdown. K.J. Electric now provides **COST EFFECTIVE, FULL RE-BUILD AND PREVENTATIVE MAINTENANCE SERVICES** for older generations of drawout circuit breakers and switchgear, which are no longer made by original equipment manufacturers!

LOW VOLTAGE AIR CIRCUIT BREAKERS RATED 240 VAC, 480 VAC OR 600 VAC

Each breaker CAN be completely rebuilt and tested in accordance with the following procedures:

1. Complete disassembly of breaker
2. Each part inspected for physical integrity per the manufacturer's specifications
3. Worn parts replaced
4. Pitted contacts repaired or replaced
5. Base painted
6. All parts replaced, repainted, and reinsulated as required
7. Trip units removed, inspected, dashpot cleaned and refilled with proper oil
8. Electrically operated breakers, wiring to be inspected
9. Fully lubricate breakers
10. Breaker to be reassembled per manufacturer's specifications



Electrical tests to include:

1. Contact resistant test
2. Insulation test performed: pole-to-ground, pole-to-pole, and across open pole
3. Long time delay shall be determined by primary injection at 300% pickup current
4. Short time delay, determined by primary injection
5. Instantaneous pickup current determined by primary injection. All primary injection tests will adhere to the manufacturer's original specification
6. Trip unit reset will be verified
7. Charging motors of electrically operated to be opened and inspected for brush damage.

MEDIUM VOLTAGE CIRCUIT BREAKERS RATED 5KV, 7.2KV OR 15KV

**ALL WORN PARTS WILL BE
REPLACED!
ALL BROKEN OR MISSING PARTS
WILL BE REPLACED!**

**ALL BREAKERS REBUILT
AS SUPPLIED WILL BE
EQUAL TO NEW CONDITION
WITH A TWO (2)
YEAR GUARANTEE!!**



**Each breaker CAN be
completely rebuilt and tested in accordance
with the following procedures:**

1. Complete disassembly of breaker
2. Each part inspected for physical integrity per manufacturer's specifications
3. Worn parts replaced
4. Make a very close inspection of the operation of main arching contacts of the circuit breaker to insure that the springs responsible for maintaining primary contact pressure are in good condition.
5. Base painted
6. All parts replaced, repainted, and reinsulated as required
7. Arc chutes inspected.
8. Wiring to be inspected and replaced if needed (in accordance with original wiring diagram)
9. Fully lubricate breaker
10. Breaker to be reassembled per manufacturer's specifications

Electrical tests to include:

1. Measure contact resistance
2. Perform minimum pickup voltage tests on trip and close coils
3. Perform and insulation resistance tests, pole-to-pole, pole-to-ground, and across open pole
4. If charging motors are used check condition of brushes and limit switches
5. Perform over potential test, or power factor test with breaker in open and close position. All arc chutes shall be tested for watts loss (OPTIONAL)



FOR MORE INFORMATION CALL YOUR LOCAL KJ ELECTRIC REPRESENTATIVE TODAY!

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