

Circuit breaker reconditioning

Bodine Electric can extend the life of your low- and medium-voltage circuit breakers using a reconditioning process that follows the highest industry standards.

As a member of the Professional Electrical Apparatus Reconditioning League, we use the ANSI/PEARL standard for all our circuit breaker work. Bodine uses PEARL-certified technicians, ensuring our customers can trust that their equipment is reconditioned correctly.

Bodine offers a quick turnaround on breaker repairs, including the ability to respond to issues 24/7. We also provide free pickup and delivery of equipment, with truck routes throughout Illinois and neighboring states.



Ensure reliability

Reconditioning your circuit breakers is a cost-effective way to ensure your facility operations continue smoothly, avoiding unexpected breakdowns and potential downtime.

What is PEARL?

The **Professional Electrical Apparatus Reconditioning League** is a national trade organization and an ANSI accredited standards developer. PEARL members, including Bodine, are required to meet strict technical, safety and operational guidelines to ensure the safe reconditioning and remanufacturing of electrical equipment.



The process

Bodine's standard reconditioning processes include:

- Physical/mechanical condition inspection
- Inspection of arc chutes
- Inspect moving and stationary contacts for condition, wear and alignment
- Complete disassembly per OEM recommendations
- Components cleaned, painted, polished and/or plated per OEM recommendations
- Appropriate lubrication per OEM recommendations
- Verification of critical dimensions
- Alignment testing
- Verification of proper mechanism operation and auxiliary feature operations
- Comprehensive testing

We also perform maintenance per customer request, including cleaning/lubrication/testing.

Retrofitting with AC-PRO kits

Bodine routinely uses Utility Relay Company's **AC-PRO** micro-controller based trip unit when retrofitting customer circuit breakers.

AC-PRO kits are available for many types of circuit breakers, including these manufacturers:

- General Electric
- SACE
- Merlin Gerin
- Federal Pacific
- FPE/Cemco/Schneider
- ITE/ABB
- Siemens/Allis Chalmers
- Square D/Schneider
- Westinghouse/Eaton/Cutler-Hammer

Bodine can utilize other types of kits per customer request.

