**Eaton Brand Circuit Breakers**
Application in vintage loadcentres

C.E.B.
Sylvania (GTE)
Commander

Challenger
Westinghouse
Cutler-Hammer®




# The Right Circuit Breaker For Your Vintage Loadcentre

The past 50 years have seen the names of many electrical manufacturers seemingly disappear.

Names such as C.E.B., Sylvania (GTE), Commander, Challenger, Westinghouse, and more recently Cutler-Hammer have been amalgamated under a singular Eaton brand.

Though the names have disappeared, replacement circuit breakers for their panels have not.

Eaton is the sole owner of the rights to these circuit breaker designs.

We continue to manufacture select replacement product for these vintage loadcentres.

**OEM Replacement**

Purchasing Eaton brand circuit breakers for the aforementioned manufacturers' product guarantees you are getting the right circuit breaker for the loadcentre.

Eaton builds replacement circuit breakers for these loadcentres to the original panel manufacturers' design.

Though the replacement circuit breakers may not carry the vintage name you can be assured that they are approved for use in that loadcentre.

**Bolt-On Versus Plug-In Circuit Breakers**

Traditionally there have been two methods of installing branch circuit breakers in loadcentres.

Bolt-on circuit breakers make their connection to a loadcentre by bolting on.

Bolt-on circuit breakers are easily identified by a metal flange that protrudes from the circuit breaker's housing.

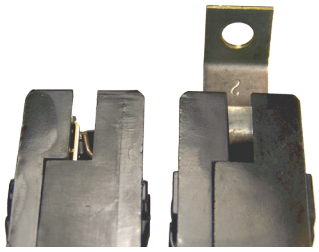
A screw installed through this flange attaches the circuit breaker to the loadcentre's electrical bus.

Plug-in circuit breakers make their connection to a loadcentre by plugging in.

A recessed clip, visible in the end of the circuit breaker, plugs on to the loadcentre's electrical bus during installation.

Bolt-on circuit breaker loadcentres are no longer common in residential applications.

Plug-in in circuit breakers have become the standard due to their ease and speed of installation.



**Plug-In Clip (Left)**
**Bolt-On Flange (Right)**

**Selecting the Right Circuit Breaker**

To simplify selection of the correct circuit breaker for your vintage loadcentre refer to the tables on the adjoining page.

**Note:** Bolt-on and plug-in circuit breakers are not interchangeable. Bolt-on loadcentres will not accept plug-in circuit breakers. Plug-in lodcentres will not accept bolt-on circuit breakers.

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# Four easy steps:

## Step 1

Identify your original panel manufacturer's name and the panel's catalogue number or designation from its label.

## Step 2

Refer to the below tables to find a matching name and panel designation prefix.

## Step 3

From the table identify the current Eaton brand circuit breaker family type.

## Step 4

Contact your local Eaton authorized distirbutor or Eaton Customer Service Centre (1-800-268-3578) to determine availability of the required amperage(s) and pole configuration(s).

**Table 1. Eaton Brand Circuit Breaker Application in Vintage Bolt-On Type Loadcentres**

| | Original Panel Manufacturer's Name | Panel Catalogue Number Prefix | Branch Circuit Breaker Type | Current Eaton Brand Branch Circuit Breaker Family Type(s) | Circuit Breaker Width |
|---|---|---|---|---|---|
| Bolt-On | C.E.B. Limited | B [1][2] | Bolt-on | QBH [3] | ¾" |
| | C.E.B. Limited | BC [1][2] | Bolt-on | QBH [3] | ¾" |
| | Sylvania (GTE) | B [1][2] | Bolt-on | QBH [3] | ¾" |
| | Sylvania (GTE) | BC [1][2] | Bolt-on | QBH [3] | ¾" |
| | Commander | B [1][2] | Bolt-on | QBH [3] | ¾" |
| | Commander | BC [1][2] | Bolt-on | QBH [3] | ¾" |
| | Commander | BQ [1][2] | Bolt-on | QBH [3] | ¾" |
| | Commander | QL [2] | Bolt-on | BQL / BQLT / BQGF [3] | 1" |
| | Commander | QM [2] | Bolt-on | BQL / BQLT / BQGF [3] | 1" |
| | Cutler-Hammer | QM [2] | Bolt-on | BQL / BQLT / BQGF [3] | 1" |
| | Cutler-Hammer | QL [2] | Bolt-on | BQL / BQLT / BQGF [3] | 1" |
| | Cutler-Hammer | CBL | Bolt-on | BAB / GFCBB / DNBA / QBHW / QBAF / QBAG / QBGF / QBHAG / QBHAF / QBHGF | 1" |
| | Cutler-Hammer | CBM | Bolt-on | BAB / GFCBB / DNBA / QBHW / QBAF / QBAG / QBGF / QBHAG / QBHAF / QBHGF | 1" |

[1] Ground fault type circuit breakers are not available for these style panels.
[2] Arc fault type circuit breakers are not available for these style panels.
[3] Not all amperages or pole configurations are still available. Consult your local Eaton distributor or Eaton's customer service department (1-800-268-2578) for availability.

**Table 2. Eaton Brand Circuit Breaker Application in Vintage Plug-In Type Loadcentres**

| | Original Panel Manufacturer's Name | Panel Catalogue Number Prefix | Branch Circuit Breaker Type | Current Eaton Brand Branch Circuit Breaker Family Type(s) | Circuit Breaker Width |
|---|---|---|---|---|---|
| Plug-In | Challenger | PL | Plug-in | BR / DNPL / GFCB | 1" |
| | Challenger | PM | Plug-in | BR / DNPL / GFCB | 1" |
| | Challenger | PMF | Plug-in | BR / DNPL / GFCB | 1" |
| | Westinghouse | GL | Plug-in | BR / DNPL / GFCB | 1" |
| | Westinghouse | GLC | Plug-in | BR / DNPL / GFCB | 1" |
| | Westinghouse | WL | Plug-in | BR / DNPL / GFCB | 1" |
| | Westinghouse | WIB | Plug-in | BR / DNPL / GFCB | 1" |
| | Westinghouse | NL (NOVA LINE) | Plug-in | BR / DNPL / GFCB | 1" |
| | Westinghouse | NLC (NOVA LINE) | Plug-in | BR / DNPL / GFCB | 1" |
| | Cutler-Hammer | CPL | Plug-in | BR / DNPL / GFCB | 1" |
| | Cutler-Hammer | CPM | Plug-in | BR / DNPL / GFCB | 1" |

**Eaton Corporation**
Electrical Sector
5050 Mainway
Burlington, ON L7L 5Z1
Canada
1-800-268-3578
www.eatoncanada.ca

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