**Fuse Breakdown**

<table>
<thead>
<tr>
<th><strong>Fuse</strong></th>
<th><strong>Standard Breaker</strong></th>
<th><strong>Branch/Feeder Type AFCI Breaker</strong></th>
<th><strong>Combination Type AFCI Breaker</strong></th>
<th><strong>GFCI Breaker</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>55+</td>
<td><strong>First-Generation</strong></td>
<td>AFCI protection required by the 1999 NEC®.</td>
<td>The 2005 NEC® phased out Branch/Feeder AFCIs as of January 1, 2008 for new construction and remodels. Today, MOST circuits should have AFCI protection.</td>
<td>The first GFCI circuit breaker was introduced around 1968, and the first receptacle type in 1972.</td>
</tr>
<tr>
<td>Commonly found in homes built over 55 years ago.</td>
<td>Began appearing in homes built in the 1960s.</td>
<td>Must replace with fuse of the same rating if blown.</td>
<td>Can be reset and reused after tripping.</td>
<td></td>
</tr>
</tbody>
</table>

**Fire Prevention**

- Uses a filament that melts when overloaded.
- Trips when electrical current exceeds levels determined by the breaker’s ratings.
- Trips when a parallel arc between the hot and neutral conductors is detected.
- Provides same protection as Branch/Feeder AFCIs AND detects lower level series arcing in both branch circuits and power supply cord.
- Trips when an unwanted path occurs between an electrical current and a grounded element. Recommended on circuits that could come in contact with water.

**Average Cost**

- $6
- $5
- $25
- $35
- $35

**AFCI & GFCI**

- AFCI and GFCI technologies can co-exist, which together, provide the most complete protection on a circuit.

**Label your panels so you can quickly turn off and restore electricity when necessary.**

**All electrical distribution systems should have an electrical inspection conducted if the home is older than 40 years or has had a major addition, renovation or large appliance added.**

**AFCI and GFCI breakers should be tested monthly. Visit www.esfi.org to learn how.**

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