### 2011-2015 Used Nissan Leaf Features

Scott Wilson, Electric Vehicle Association of Greater Washington DC (evadc.org)

<table>
<thead>
<tr>
<th>Year</th>
<th>Trim</th>
<th>Quick Charge</th>
<th>Level 2 (kW)</th>
<th>Heat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Level 2 (kW)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R=Resistive</td>
<td>HP=heat pump</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Trim</th>
<th>Quick Charge</th>
<th>Level 2 (kW)</th>
<th>Heat</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Both trims had cold weather package option²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>SV</td>
<td>No Option</td>
<td>3.6</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>SL</td>
<td>Option</td>
<td>3.6</td>
<td>R</td>
</tr>
<tr>
<td>2013</td>
<td>S</td>
<td>Option</td>
<td>3.6, 6.6 with QC⁴</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>SV</td>
<td>Option³ Yes</td>
<td>6.6</td>
<td>HP</td>
</tr>
<tr>
<td></td>
<td>SL</td>
<td>Option³ Yes</td>
<td>6.6</td>
<td>HP</td>
</tr>
<tr>
<td>2014</td>
<td>S</td>
<td>Option³ Yes</td>
<td>3.6, 6.6 with QC⁴</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>SV</td>
<td>Option³ Yes</td>
<td>6.6</td>
<td>HP</td>
</tr>
<tr>
<td></td>
<td>SL</td>
<td>Option³ Yes</td>
<td>6.6</td>
<td>HP</td>
</tr>
<tr>
<td>2015</td>
<td>S</td>
<td>Option³ Yes</td>
<td>3.6, 6.6 with QC⁴</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>SV</td>
<td>Option³ Yes</td>
<td>6.6</td>
<td>HP</td>
</tr>
<tr>
<td></td>
<td>SL</td>
<td>Option³ Yes</td>
<td>6.6</td>
<td>HP</td>
</tr>
</tbody>
</table>

**2011, 2012 Battery:** In order to tell if the battery is still under warranty, you need to give the VIN to a Nissan Dealer and have them look it up (over the phone?). This is because some original owners opted out of warranty coverage, which would transfer the opt-out to future owners of that particular vehicle. *(This is uncommon)*

---

1 If you only have an under-hood picture available, you can identify an installed QC option by three orange cables on the front of the motor stack (see pictures).

2 Cold Weather package includes heated battery, steering wheel, front and rear seats. **Standard on all years and trims 2012-onwards**

3 For 2013-2015 SV trim, cars with optional QC installed can be identified by LED headlights. Cars without QC can be identified by halogen headlights

4 For 2013-2015 S trim, cars with optional QC installed also have 6.6 kW charger installed.
2011-2015 Used Nissan Leaf Features
Scott Wilson, Electric Vehicle Association of Greater Washington DC (evadc.org)
2011-2015 Used Nissan Leaf Features
Scott Wilson, Electric Vehicle Association of Greater Washington DC (evadc.org)

2011/2012 Year Model

No DC Fast Charge

Insideevs.com
2011-2015 Used Nissan Leaf Features
Scott Wilson, Electric Vehicle Association of Greater Washington DC (evadc.org)
DC Fast Charge port and J1772 L1/L2 port under front charge door. Push or pull to the left of the steering wheel.

How to tell if you have a 6.6 kW charger:
2011-2015 charger size (3.6 kW or 6.6 kW) shown by sticker on passenger side power module. “6.6 kVA” means 6.6 kW.

If you have a VIN, you can decode it at [http://www.vindecoderz.com/EN/Nissan/LEAF](http://www.vindecoderz.com/EN/Nissan/LEAF) Or at several similar sites
Future (2015-2016) Dual Chademo/Combo charger sites at Royal Farms
See [https://www.google.com/maps/d/viewer?mid=z7WyA3QC1rh4.kRDlI5T0QsXU](https://www.google.com/maps/d/viewer?mid=z7WyA3QC1rh4.kRDlI5T0QsXU)
2011-2015 Used Nissan Leaf Features
Scott Wilson, Electric Vehicle Association of Greater Washington DC (evadc.org)

Battery Intel: (http://insideevs.com/used-nissan-leaf-buying-guide/)

2011 Year Models

- The battery pack may or may not have heater elements to keep it from freezing. This was only on the “cold weather” package offered at the time.
- Prone to battery degradation in HOT climates (see more info on this below)

2012 Year Models

- Should all have the battery heater element as this was made standard from this point onwards.
- Prone to battery degradation in HOT climates (see more info on this below)

2013 Year Models

- Uses an all-new battery pack from previous years.
- Anecdotal evidence tends to show that degradation is not as big of a problem in this year model, although Nissan never officially announced any changes related to heat tolerance.

2014 Year Models

- Some 2014’s may have the same battery as 2013 models.
- Some 2014’s actually have the “lizard” battery that Nissan claims is heat tolerant and will not degrade in hot climates.

2015 Year Models.

- Should all include the “lizard” battery and should be very reliable.
2011-2015 Used Nissan Leaf Features
Scott Wilson, Electric Vehicle Association of Greater Washington DC (evadc.org)

How to interpret battery bars and the battery warranty. First, turn the car on and look at
the narrow battery capacity indicator on the right side of the display

12 bars – range is about 80-90 miles
11 bars – range is about 73-82 miles
10 bars – range is about 67-75 miles
9 bars – range is about 60-67 miles
8 bars – battery qualifies for Nissan Battery Warranty, unless prior owner opted out.
Must have Nissan dealer lookup the VIN to know for sure.

Be suspicious of a 2011 or 2012 with 12 bars, if the car came from the southwest. Verify
that the battery was replaced.
See also http://www.electricvehiclewiki.com/Battery_Capacity_Loss

You can see one Leaf drivers battery replacement experience here:
https://www.youtube.com/watch?v=HEaxYWW6Zm8

Lots of info - Google “used nissan leaf guide”
http://insideevs.com/used-nissan-leaf-buying-guide/
http://ecomento.com/2015/03/19/buyers-guide-used-nissan-leaf/
http://www.greencarreports.com/news/1098554_should-i-buy-a-used-nissan-leaf-or-
another-electric-car
what-you-need-to-know