

Durability Requirements in California Advanced Clean Cars II (ACC II) Program

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Presented by USA

Final CARB ACC II durability requirement

- Model Years 2026 – 2029:
 - Maintain **70 percent** of certified range
 - 10 years or 150,000 miles (240,000 km)
 - At least **70 percent of vehicles** in a test group
- Model Year 2030 and later:
 - Maintain **80 percent** of certified range
 - 10 years or 150,000 miles (240,000 km)
 - **On average for all vehicles** in a test group
- Data reporting requirements in CCR, title 13, section 1962.7

Warranty requirement

- Model Years 2026 – 2030:
 - Maintain 70 percent state of health
 - 8 years or 100,000 miles (160,000 km)
 - Applies to the ultimate purchaser and each subsequent purchaser

- Model Year 2031 and later:
 - Maintain **75 percent** state of health
 - 8 years or 100,000 miles (160,000 km)
 - Applies to the ultimate purchaser and each subsequent purchaser

Determination of nonconformance

- Model years 2026 through 2029:
 - Nonconforming if more than 30 percent of the vehicles in the test sample group fall below 65 percent of the certified all-electric range
- Model years 2030 through 2032:
 - Nonconforming if more than 50 percent of the vehicles in the test sample group fall below 75 percent of the certified all-electric range
- Model years 2033 and later:
 - Nonconforming if more than 50 percent of the vehicles in the test sample group fall below 80 percent of the certified all-electric range

SOH accuracy

- Model years 2026 – 2028:
 - No more than 30 percent of the vehicles in the test sample group can report an SOH that is more than 8 percentage points higher than the SOH value corresponding to the measured usable battery energy
- Model years 2029 and later:
 - accuracy increases to 5 percentage points
- For example, a vehicle reporting 80 percent SOH but with an actual measured usable battery energy corresponding to an SOH value of 73 percent would be determined to be reporting 7 percentage points high

Links to final ACC II regulations

Durability Requirement:

<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2022/accii/acciifro1962.4.pdf>

Warranty requirement

<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2022/accii/acciifro1962.8.pdf>

Enforcement for durability standards

<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2022/accii/acciifro1962.7.pdf>