SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · LEAF EV
RA-NSLEAF-123456-20261027

2019 Nissan Leaf · 2019 Leaf SV 40 kWh hatchback · FWD

1N4AZ1CP9KC123456

ODOMETER IN: 55,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

A · RECALLS AND CAMPAIGNS TO VERIFY (DEALER PRINTOUT OR NHTSA.GOV)

24V-700 · Li-ion battery may overheat during Level 3 quick charging (2019–2020 Leaf) ☐ Open ☐ Done ☐ N/A

Factory battery and drive warranty · may still apply (Nissan usually 8 years or 100,000 mi). Check the in-service date before quoting high-voltage battery or drive motor work; covered repairs go to a Nissan dealer. ☐ Covered ☐ Expired ☐ Unknown

25V-655 (Li-ion battery may overheat during Level 3 quick charging (2021–2022 Leaf)): not listed by NHTSA for MY2019. Confirm on the dealer printout.

B · INSPECTION POINTS, IN PLAN ORDER

1. Battery overheating during quick charging (recall), 2019–2022

Check now · Inside the range (26,000–78,000 mi, the middle half of 12 owner reports)

Check the VIN for open recalls ☐ OK ☐ Watch ☐ Fix

Scan the EV/HEV and battery controller for codes ☐ OK ☐ Watch ☐ Fix

Scan for: P31E7, P0AA6

Parts (ZE1): Ask your parts supplier for the OE part number for this VIN.

2. Electric brake booster (e-ACT) warning and hard pedal

Check now · Past the range (20,000–50,000 mi, the middle half of 23 owner reports)

Scan the e-ACT brake control unit ☐ OK ☐ Watch ☐ Fix

Load-test the 12V battery ☐ OK ☐ Watch ☐ Fix

Parts (ZE1): Ask your parts supplier for the OE part number for this VIN.

3. High-voltage battery capacity loss (lost bars, short range)

Check now · Inside the range (13,000–80,000 mi, the middle half of 16 owner reports)

Read battery state of health (SOH) and capacity bars ☐ OK ☐ Watch ☐ Fix

Check the VIN for the LBC reprogram campaigns P3227 / PC630 ☐ OK ☐ Watch ☐ Fix

Capacity bars: __ / 12

SOH: __ %

Parts (ZE1): Ask your parts supplier for the OE part number for this VIN.

4. 12V battery drain and DC/DC (power delivery module) faults

Watch · Any mileage (2011–2015 (telematics drain), 2013–2014 and 2018–2019 (PDM software))

Load-test the 12V battery ☐ OK ☐ Watch ☐ Fix

Scan the PDM for P0A94 / B2902 ☐ OK ☐ Watch ☐ Fix

Check telematics and PDM software levels ☐ OK ☐ Watch ☐ Fix

12V battery: __ V / test result

Scan for: P0A94, B2902, P3131, P31C2

Parts (ZE1): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 85,000 MI (ASK FOR RECORDS)

Brake fluid · every 30,000 mi or 2 years · was due at 30,000 mi and by age (check records) · $129 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE LEAF EV, QUICK CHECKS

- **Air bags** (105 complaints): Air-bag complaints (occupant classification sensor on 2013–2016 cars); not part of the electric drive.
- **Loss of power while driving** (22 complaints): Mixed causes; 14V-263 replaced inverters on a small 2014 build range, and other cases trace to the 12V battery or a battery fault.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Battery overheating during quick charging (recall), 2019–2022

Nissan found the battery can overheat during Level 3 quick charging, which raises the risk of a fire. At 55,000 mi your car is in the mileage range where owners report it. A recall or warranty extension may pay for it: we check the VIN.

Ask: have you noticed EV system warning after the recall update?

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2. Electric brake booster (e-ACT) warning and hard pedal

The Leaf uses an electric brake booster (e-ACT). At 55,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking.

Ask: have you noticed brake warning light at start-up, or hard or long brake pedal, worse in cold weather?

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3. High-voltage battery capacity loss (lost bars, short range)

The Leaf battery loses capacity with age and use. At 55,000 mi your car is in the mileage range where owners report it. Our price is $40, before tax and shop supplies.

Ask: have you noticed fewer capacity bars on the dash gauge, or range much shorter than when new?

Adjust after the inspection. The report is not a diagnosis or a guarantee, so say what the technician found, not what the report predicts.

NOTES FOR THE ADVISOR

Record findings here (OK / Watch / Fix and measurements); the advisor adjusts the quote before the handout is printed or sent.