SAC **Springfield Auto Care** EXAMPLE SHOP
service@springfield-auto-care.example

TECHNICIAN WORKSHEET · 3.0L VQ30DE-K V6
RA-VQ30-812345-20261028

2001 Nissan Maxima · A33 Maxima GXE 3.0 sedan · FWD

JN1CA31D51T812345

ODOMETER IN: 164,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

20V-008 · Air bags · frontal · passenger side — ☐ Open ☐ Done ☐ N/A

15V-287 · Air bags — ☐ Open ☐ Done ☐ N/A

02V-146 · Suspension · front · control arm — ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Ignition coil failure: misfire, P1320, spark knock

Check now · Long past the range (37,000–68,000 mi, the middle half of 71 owner reports)

Long past the reported range: already repaired? Check the records and the part itself first — ☐ OK ☐ Watch ☐ Fix

Scan for P0300–P0306 and P1320 — ☐ OK ☐ Watch ☐ Fix

Swap-test a suspect coil — ☐ OK ☐ Watch ☐ Fix

Check plug condition — ☐ OK ☐ Watch ☐ Fix

Misfire counts by cylinder

Scan for: P0300, P0301, P0302, P0303, P0304, P0305, P0306, P1320

Parts (A33): Ask your parts supplier for the OE part number for this VIN.

2. Engine (EGI) harness wire breakage

Watch · Any mileage (2000–2001 Maxima and I30)

Inspect the engine harness at its bends and clips — ☐ OK ☐ Watch ☐ Fix

Check for codes in several circuits at once — ☐ OK ☐ Watch ☐ Fix

Parts (A33): Ask your parts supplier for the OE part number for this VIN.

3. Mass airflow sensor fault (P0100): surging and low power

Watch · Any mileage (2000–2001 Maxima and I30)

Scan for P0100 — ☐ OK ☐ Watch ☐ Fix

Check MAF readings at idle and 2,500 rpm — ☐ OK ☐ Watch ☐ Fix

Scan for: P0100

Parts (A33): Ask your parts supplier for the OE part number for this VIN.

4. Oxygen sensor and catalyst codes (P0138–P0160, P0420)

Watch · Any mileage (2000–2001 Maxima and I30)

Scan for O2 and P0420 codes — ☐ OK ☐ Watch ☐ Fix

Check for misfire history first — ☐ OK ☐ Watch ☐ Fix

Scan for: P0138, P0158, P0134, P0154, P0420

Parts (A33): Ask your parts supplier for the OE part number for this VIN.

5. Automatic transmission: delayed 1–2 / 2–3 shifts

Watch · Any mileage (2000–2001 Maxima and I30 automatic)

Road test for 1–2 and 2–3 shift quality — ☐ OK ☐ Watch ☐ Fix

Check ATF level and condition — ☐ OK ☐ Watch ☐ Fix

ATF: clean / dark

Parts (A33): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE

Not on this report for this car. Check the service records and the maker's schedule (brake fluid, spark plugs, coolant, transmission fluid). — ☐ Records checked ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.0L VQ30DE-K V6, QUICK CHECKS

- **Brakes** (108 complaints): Brake complaints; not engine faults.
- **Steering / suspension** (75 complaints): Steering and suspension complaints (lower control arm recall 02V-146 on 2001 cars); not engine faults.
- **Air bags** (72 complaints): Air bag complaints, including Takata inflator recalls on 2001 cars; not engine faults.
- **Engine mounts / vibration** (57 complaints): Engine mount and vibration complaints, often with misfires; no bulletin pattern beyond the coil item.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Ignition coil failure: misfire, P1320, spark knock
The coil-on-plug ignition coils on the 2000–2001 Maxima and I30 fail often. At 164,000 mi it may already have been fixed, so we check the records and the part first. Our price is $800, before tax and shop supplies.
Ask: have you noticed misfire or stumble under load, or flashing check-engine light with P0300–P0306 or P1320?

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.