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

TECHNICIAN WORKSHEET · 2.5L QR25DE (2002–2006)
RA-QR25E-123456-20261028

2005 Nissan Altima · L31 Altima 2.5 S sedan · FWD

1N4AL11D05C123456

ODOMETER IN: 118,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

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

07V-527 · Crankshaft position sensor can overheat; engine may stall (2002, 2005–2006 2.5L) ☐ Open ☐ Done ☐ N/A

03V-455 (Crank or cam position sensor can fail; engine may stop (2002–2003)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

06V-242 (Crank angle sensor signal can drop out; engine may stall (2003–2004 2.5L)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

03V-084 (Exhaust debris near the catalyst; pre-catalyst can overheat (2002–2003 2.5L)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

B · INSPECTION POINTS, IN PLAN ORDER

1. Crank / cam position sensors: stalling and no-start (recalls)

Check now · Past the range (43,000–100,000 mi, the middle half of 85 owner reports)

- Check the VIN for open recalls ☐ OK ☐ Watch ☐ Fix
- Scan for P0335 / P0340 / P0345 ☐ OK ☐ Watch ☐ Fix
- Check the ECM part number ☐ OK ☐ Watch ☐ Fix

Scan for: P0335, P0340, P0345

Parts (L31): Ask your parts supplier for the OE part number for this VIN.

2. Pre-catalyst overheating and catalyst codes (P0420)

Check now · Past the range (72,000–97,000 mi, the middle half of 96 owner reports)

- Scan for P0420 ☐ OK ☐ Watch ☐ Fix
- Tap-test the manifold catalyst for rattle ☐ OK ☐ Watch ☐ Fix
- Check heat shields from 03V-084 ☐ OK ☐ Watch ☐ Fix
- Pre-cat: quiet / rattles

Scan for: P0420

Parts (L31): Ask your parts supplier for the OE part number for this VIN.

3. Intake manifold power valve screws work loose

Watch · Any mileage (2004 Sentra 2.5L and 2004–2005 Altima 2.5L (campaign P5202, expired 2020))

- Check service history for P5202 ☐ OK ☐ Watch ☐ Fix
- Inspect the power valve screws ☐ OK ☐ Watch ☐ Fix

Parts (L31): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 148,000 MI (ASK FOR RECORDS)

Spark plugs · every 105,000 mi · was due at 105,000 mi (check records) · $249 ☐ Done (records) ☐ Due ☐ Quoted

Engine coolant · first at 60,000 mi, then every 30,000 mi or 2 years · was due at 90,000 mi and by age (check records) · From $179 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 2.5L QR25DE (2002–2006), QUICK CHECKS

- **Floor pan and rear suspension rust** (801 complaints): Body rust (floor pan class action, rear suspension member campaign); not an engine fault.
- **Air bags / steering** (355 complaints): Air bag and steering complaints; not engine faults.
- **Engine fire** (221 complaints): Owners mostly link fires to the catalyst or low oil; covered by recalls 03V-084 and 06V-223.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Crank / cam position sensors: stalling and no-start (recalls)
The crankshaft or camshaft position sensor can lose its signal, so the engine stalls without warning or will not restart. At 118,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $290, before tax and shop supplies.
Ask: have you noticed engine stalls while driving, often at low speed, or hard start or no start when warm?

2. Pre-catalyst overheating and catalyst codes (P0420)
The front catalyst (pre-catalyst) sits right at the exhaust manifold. At 118,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking.
Ask: have you noticed check-engine light with P0420, or rattle from the exhaust manifold?

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.

Reference only. Follow Nissan repair procedures and your shop's judgment.