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

TECHNICIAN WORKSHEET · 3.5L VQ35 / 3.7L VQ37 / 3.8L VQ38
RA-NISVQ-123456-20261027

2007 Nissan Murano · Z50 Murano SL AWD (3.5L V6, CVT) · AWD

JN8AZ08W07W123456

ODOMETER IN: 125,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

09V-169 · Engine air intake ducts — ☐ Open ☐ Done ☐ N/A

08V-521 · Air bags · passenger occupant sensor — ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Timing chain guides and tensioner (whine)

Check now · Past the range (60,000–103,000 mi, the middle half of 61 owner reports)

Listen at the front cover across the rev range — ☐ OK ☐ Watch ☐ Fix

Cam/crank correlation values — ☐ OK ☐ Watch ☐ Fix

Whine: none / faint / loud

Scan for: P0335, P0340, P0011, P0021

Parts (Z50): Ask your parts supplier for the OE part number for this VIN.

2. CVT (continuously variable transmission)

Check now · Past the range (59,000–109,000 mi, the middle half of 241 owner reports)

Road test for whine and shudder — ☐ OK ☐ Watch ☐ Fix

Scan the TCM for stored codes — ☐ OK ☐ Watch ☐ Fix

Check CVT fluid condition — ☐ OK ☐ Watch ☐ Fix

CVT: smooth / whine / shudder

Scan for: P17F0, P17F1, P0776, P0841, P0744

Parts (Z50): Ask your parts supplier for the OE part number for this VIN.

3. Ignition coils (blistered) and misfires

Watch · Any mileage (2003–2008 VQ35DE (Maxima, Quest, FX35 and others))

Inspect coils for blistering — ☐ OK ☐ Watch ☐ Fix

Misfire counters — ☐ OK ☐ Watch ☐ Fix

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

Parts (Z50): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 155,000 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 120,000 mi and by age (check records) · From $179 — ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.5L VQ35 / 3.7L VQ37 / 3.8L VQ38, QUICK CHECKS

- **Stalling / loss of power** (1936 complaints): Mixed causes in the complaint text; not one engine fault.
- **Motor mounts** (276 complaints): Owners report worn engine mounts (vibration at idle); a wear item, not an engine defect.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Timing chain guides and tensioner (whine)
Worn timing-chain guides and the secondary tensioner shoes cause a buzzing or whining noise that rises with engine speed. At 125,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $2,400, before tax and shop supplies.
Ask: have you noticed whine or buzz from the front of the engine that rises with rpm, or cam/crank correlation codes?

2. CVT (continuously variable transmission)
The CVT that Nissan pairs with this engine is the most common big bill on these cars. At 125,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking.
Ask: have you noticed whine at highway speed, or shudder or judder from a stop?

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.