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

2007 Nissan Murano at 125,000 mi

JN8AZ08W07W123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Murano · Z50 Murano SL AWD (3.5L V6, CVT)	Nissan VQ-series V6 (VQ35DE, VQ35DD, VQ37VHR and the 2020-on Frontier VQ38DD; also the VQ25HR 2.5L)	125,000 mi	AWD
BUILD MONTH	**REPORT DATE**	**MODE**	**PREPARED FOR**
Not entered (door jamb)	October 27, 2026	Shop	Sample Owner

VIN check: check digit valid; model-year code '7' = 2007, matches the year entered. The VIN doesn't record the build month. Sample report: synthetic VIN.

1 · SUMMARY

What this car needs, in order

Each item compares this car's mileage with when owners and shops report the part failing. It is not an inspection: our technician decides what the car actually needs.

1
inspection recommended now

0
to plan in the next 30,000 miles · plus 2 factory maintenance items

1
to watch or check at each service

Safety recalls NHTSA lists for this model year (2)

- **09V-169** · Engine air intake ducts: Aging intake air ducts can shrink and come off the resonator, so the engine can stall.
- **08V-521** · Air bags · passenger occupant sensor: A faulty part in the passenger seat sensor can switch off the passenger air bag.

A model-year list, not a VIN check. Repairs are free at a Nissan dealer if open. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. Check this VIN at nhtsa.gov/recalls.

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask a Nissan dealer for a campaign printout. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service — $140

Inspection: check now, while it's cheaper to fix — $140

inspection EXAMPLE

Timing chain guides and tensioner (whine): Past the range (60,000–103,000 mi, the middle half of 61 owner reports) · if it fails: $1,730–$3,580

CVT (continuously variable transmission): Past the range (59,000–109,000 mi, the middle half of 241 owner reports) · if it fails: $3,500–$6,000

Known weak points for this engine, not findings on your car. The inspection shows whether yours has early signs.

Next 12 months up to about 137,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 155,000 mi

Nothing else enters its reported range in this window.

Watch inspect at each service, fix on condition, or optional

Ignition coils (blistered) and misfires — Ask us for a quote

Any mileage (2003–2008 VQ35DE (Maxima, Quest, FX35 and others)) · Inspect at each service; fix at the first sign

Recommended now

$140

Springfield Auto Care prices (example)

Planned through 155,000 mi

From $568

Now + next 12 months + next 30,000 miles, with the factory maintenance on this report if the records don’t show it done. Excludes “watch” and optional items.

Prices are Springfield Auto Care's estimates for typical parts and labor. They don't include tax, shop supplies or disposal fees, and may change after inspection or if part prices change. Not a written repair estimate: Springfield Auto Care confirms the price and gets your OK before any work.

Bundled jobs are priced together because the labor overlaps. Routine service (oil, brakes, tires) isn't included; factory fluid and spark plug intervals are listed below.

FACTORY MAINTENANCE

Scheduled maintenance from 125,000 mi to 155,000 mi

The maker's normal schedule for this car. Service history isn't known here, so an item is shown at its next interval mark; skip it if the records show it was done.

ITEM	INTERVAL	THIS CAR	OUR PRICE
Spark plugs Iridium/platinum plugs; replace early if gap exceeds spec.	every 105,000 mi	**Was due at 105,000 mi (check records)** [M1][M2][M3][M4][M5][M6]	**$249**
Engine coolant First change at 60,000 mi or 48 months, then every 30,000 mi or 24 months.	first at 60,000 mi, then every 30,000 mi or 2 years	**Was due at 120,000 mi and by age (check records)** [M1][M2][M3][M7]	**From $179**
CVT fluid Nissan normal schedule says inspect only; replace every 60,000 mi only under severe use (towing, rough or muddy roads).	no fixed interval	— [M1][M2][M3][M6]	—

M1. Nissan USA official maintenance schedule lookup: 2012 Altima (component pages, Standard Driving Conditions) OFFICIAL https://maintenance-schedules.nissanusa.com/maintenance-schedules/2012/altima/components/engine-coolant/

M2. Nissan USA official maintenance schedule lookup: 2016 Maxima (component pages, Standard Driving Conditions) OFFICIAL https://maintenance-schedules.nissanusa.com/maintenance-schedules/2016/maxima/components/engine-coolant/

M3. Nissan USA official maintenance schedule lookup: 2023 Pathfinder (component pages, Standard Driving Conditions) OFFICIAL https://maintenance-schedules.nissanusa.com/maintenance-schedules/2023/pathfinder/components/engine-coolant/

M4. Nissan USA official maintenance schedule lookup: 2022 Frontier (component pages, Standard Driving Conditions) OFFICIAL https://maintenance-schedules.nissanusa.com/maintenance-schedules/2022/frontier/components/engine-coolant/

M5. Infiniti USA official maintenance schedule lookup: 2004 G35 (component pages, Standard Driving Conditions) OFFICIAL https://maintenance-schedules.infinitiusa.com/maintenance-schedules/2004/g35/components/engine-coolant/

M6. Infiniti USA official maintenance schedule lookup: 2024 QX60 (component pages, Standard Driving Conditions) OFFICIAL https://maintenance-schedules.infinitiusa.com/maintenance-schedules/2024/qx60/components/engine-coolant/

M7. 2009 Nissan Service and Maintenance Guide (Nissan North America, Pub. MB9E-0ALLU3) OFFICIAL https://archive.org/details/manualsonline-id-da55dbac-c063-433d-9f2d-509baa711699

WHERE 125K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Timing chain guides and tensioner (whine)	60,000–103,000 mi (middle half of 61 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Past the range
2	Ignition coils (blistered) and misfires	2003–2008 VQ35DE (Maxima, Quest, FX35 and others) OFFICIAL	Any mileage
3	CVT (continuously variable transmission)	59,000–109,000 mi (middle half of 241 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Past the range

Colors compare mileage with reported failures, not the car's condition. Red: past the range. Amber: inside or approaching. Green: below, or not listed for a recall.

2 · RECALLS AND BULLETINS

Recalls to check for this 2007 Nissan Murano

Safety recall repairs are free at Nissan dealers. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. Nothing here can tell whether a recall is open or already done on this VIN; only the official VIN lookup or a dealer can.

Official VIN check (2 minutes)

1. Go to nhtsa.gov/recalls and enter JN8AZ08W07W123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Nissan dealer for a campaign printout; it also lists completed campaigns.

3.5L VQ35 / 3.7L VQ37 / 3.8L VQ38 RECALLS WE TRACK

NHTSA lists no engine-specific recall campaign for the 3.5L VQ35 / 3.7L VQ37 / 3.8L VQ38 as of 2026-10-27. Recalls on the rest of the car are in the model-year list below.

EVERY RECALL NHTSA LISTS FOR THE 2007 NISSAN MURANO (2)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
09V-169	Engine air intake ducts	Aging intake air ducts can shrink and come off the resonator, so the engine can stall. Details
08V-521	Air bags · passenger occupant sensor	A faulty part in the passenger seat sensor can switch off the passenger air bag. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: MURANO. Safety categories (air bags, fire, brakes, stalling, roll-away and loss of control) are listed first; listings whose NHTSA text names another engine, or an aftermarket part, go last. OFFICIAL

SERVICE ACTIONS, BULLETINS AND WARRANTY PROGRAMS

Manufacturer bulletins and warranty programs for this engine are cited on each weak point in section 4, where they apply.

4 · THE 3 WEAK POINTS

Each weak point, one card each

Every figure carries its source. Retailer part numbers are shown only when the retailer lists them for this chassis (Z50). Left out because they apply to other models, years, engine sizes or body codes: Oil leak at the valve timing control solenoids; #1 main bearing knock, 2009–2014 Maxima.

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1 Timing chain guides and tensioner (whine)

Past the range

Severity: High: overheating, stalls, limp mode or a big bill · 211 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 125,000 mi this car is past the reported range (60,000–103,000 mi (middle half of 61 owner complaints that state a mileage)). If the original parts are still fitted, have them checked and plan for them. Range: 60,000–103,000 mi (middle half of 61 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2001–2009 VQ35DE engines (bulletin 07042: 2004–2009 Maxima, Quest and Altima 3.5); not the 2020-on Frontier VQ38DD or the G25 VQ25HR

WHAT FAILS OFFICIAL [2][3]

Worn timing-chain guides and the secondary tensioner shoes cause a buzzing or whining noise that rises with engine speed. Nissan revised the timing-chain procedure for the VQ35.

SYMPTOMS

- Whine or buzz from the front of the engine that rises with rpm
- Cam/crank correlation codes

IF IT'S LEFT TOO LONG

Worn guides can let the chain jump, which can damage the valves.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix when the whine starts; it is cheaper before the chain skips.

ESTIMATED REPAIR COST

Owner-reported repair bills in NHTSA complaints (n=62)	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=62)	**$1,730–$3,580** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Computed from 62 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $2,400). Examples: ODI 11079899, 10992911, 10494458, 10487668. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR Z50

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any whine that rises with rpm?
- Timing chain or guides replaced?

2 Ignition coils (blistered) and misfires

Any mileage

Severity: Medium: leaks and wear · 54 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2003–2008 VQ35DE (Maxima, Quest, FX35 and others)), so mileage doesn't say much here. Range: 2003–2008 VQ35DE (Maxima, Quest, FX35 and others) OFFICIAL [4]

Applies to: 2002–2008 VQ35DE engines (bulletin 06075 lists 2004–2006 Maxima and Altima 3.5 and 2004–2007 Quest)

WHAT FAILS OFFICIAL [4]

Ignition coils can blister or melt on the outside and cause misfires (P0300–P0306). Nissan replaces the damaged coils.

SYMPTOMS

- Misfire or rough running
- Flashing check-engine light
- P0300–P0306

IF IT'S LEFT TOO LONG

Misfires can overheat the catalytic converters.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Replace a blistered coil at the first misfire; check the others at the same time.

ESTIMATED REPAIR COST

No owner-reported bill	**Our price is in the plan above** ask us for a written quote
No owner-reported bill	**No published price** reported range for the bill after a failure

PARTS FOR Z50

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- Any misfires?

3 CVT (continuously variable transmission)

Past the range

Severity: High: overheating, stalls, limp mode or a big bill · 1271 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 125,000 mi this car is past the reported range (59,000–109,000 mi (middle half of 241 owner complaints that state a mileage)). If the original parts are still fitted, have them checked and plan for them. Range: 59,000–109,000 mi (middle half of 241 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: CVT-equipped V6 models (2007–2018 Altima 3.5, 2007–2023 Maxima, 2003–2024 Murano, 2013–2020 Pathfinder, 2011–2017 Quest, 2013–2020 JX35/QX60)

WHAT FAILS OFFICIAL [7][8]

The CVT that Nissan pairs with this engine is the most common big bill on these cars. Nissan extended CVT coverage to 7 years or 84,000 miles on many models after class actions; most of those windows have now ended.

SYMPTOMS

- Whine at highway speed

ESTIMATED REPAIR COST

CVT fluid change (routine price)	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in	**$3,500–$6,000** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

- Shudder or judder from a stop
- Slipping or "fail-safe" reduced speed
- Hesitation

IF IT'S LEFT TOO LONG

A failing CVT can leave the car in limp mode; replacement is the usual fix.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Change the CVT fluid on schedule and act on whine or shudder early; check the VIN for any open coverage first.

NHTSA complaints
(n=165)

Where the numbers come from: Computed from 165 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $5,000). Examples: ODI 10148497, 10176179, 10235146, 10277574. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR Z50

- Ask your parts supplier for the OE part number for this VIN.

QUESTIONS TO ASK US

- CVT fluid ever changed?
- Any CVT repair or replacement?
- Whine, shudder or slipping?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.5L VQ35 / 3.7L VQ37 / 3.8L VQ38 owner complaints

Every NHTSA complaint theme with 10 or more counted reports is either a weak point above or explained here.

THEME	COMPLAINTS	WHY IT ISN'T A WEAK POINT
Stalling / loss of power	1,936	Mixed causes in the complaint text; not one engine fault.
Motor mounts	276	Owners report worn engine mounts (vibration at idle); a wear item, not an engine defect.

How this report is built

Inputs. VIN, model year, model, mileage and build month (if entered). Model and engine are checked with NHTSA's vPIC decoder.

Mileage positions. Below: more than 10,000 miles before the reported range. Approaching: within 10,000. Inside: in the range, or past the start of an open-ended range. Past: beyond the top of the range. These bands are our rules, not an industry standard.

The plan. Critical items inside or past their range go first; high-severity items follow, and jobs that share labor are bundled. At most three jobs land in “Recommended now”. Leaks that are cheap to watch are fixed on condition; inspections are asked for at each service.

Costs. Published independent-shop ranges from shop quotes, retailer prices and owner reports. Shop prices come from the issuing shop. The worst-case cost of every item failing is not shown: it isn't an expected cost.

Labels. OFFICIAL NHTSA/Nissan documents · SHOP/RETAILER parts prices and shop articles · FORUM/BLOG owner forums and blogs · COMPUTED FROM NHTSA DATA our analysis of NHTSA data · OUR ESTIMATE ours.

NHTSA complaint data. Pulled Oct 28, 2026 from NHTSA's complaints API for V6 Altima complaints that mention the V6, 3.5L or SE-R; M35, Q70 and Q70L complaints that do not name the V8 or hybrid; plus Maxima, Murano, Pathfinder (2001–2004 and 2013 on), Quest, Frontier (2020 on), 350Z/370Z and V6 Infiniti complaints. Filtered nameplates under-count: 20,975 complaints. Some of these nameplates were sold with other engines too. For some we kept only complaints whose text names this engine (which under-counts); for others we left out complaints that name another engine or a hybrid (so a few about other engines can remain). Themes are keyword matches on the complaint text.
COMPUTED FROM NHTSA DATA

THEME	COMPLAINTS	IN THIS REPORT
Stalling / loss of power	1,936	Also reported
CVT / transmission	1,271	Item 3
Motor mounts	276	Also reported
Timing chain noise	211	Item 1
Engine knock	174	Other years or engine sizes
Misfire / ignition coils	54	Item 2
Oil leak	48	Other years or engine sizes

Limits: complaints are self-reported and not adjusted for cars sold; keyword matching over- and under-counts; owners rarely file safety complaints about oil seeps, so leaks look rarer than they are.

SOURCES

1. NHTSA owner complaints for V6 Altima (2002–2018), Maxima (2000–2023), Murano, Pathfinder (2001–2004 and 2013 on), Quest, 350Z/370Z, Frontier 3.8 (2020–2025) and Infiniti I30/I35, QX4, G25/G35/G37, FX/EX35, FX37/EX37, M35/M37, JX35/QX60, QX50, Q40/Q60/Q70, pulled Oct 27–28, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Nissan NTB-10-046: Revised VQ35 engine timing chain removal and installation procedures (2010-03-19), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10033346

3. Nissan Service bulletin 07042: Buzzing/whining noise from the timing chain area (2004–2007 Maxima, Quest and other VQ35) (2007-07-17), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10022421

4. Nissan Service bulletin 06075: DTC P0300 stored and ignition coils blistered (2006-11-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10020932

5. Nissan NTB17-008a: Oil leaking around the valve timing control solenoid valve (6-cylinder engines) (2017-04-11), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2017/MC-10109254-9999.pdf

6. Nissan NTB12-071a: 2009–2014 Maxima: engine knock from #1 main bearing (2013-12-17), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2013/MC-10192284-9999.pdf

7. Nissan CVT Warranty Extension (May 11, 2020): CVT coverage extended to 84 months/84,000 miles on listed models; earlier extension on 2013–2014 Pathfinder, 2013 JX35, 2014 QX60 (2020-05-11), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2020/MC-10176204-0001.pdf

8. Nissan CVT Warranty Extension Rev1 (Nov 2, 2023): 2017–2018 Altima and other models: CVT coverage extended to 84 months/84,000 miles (2023-11-02), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2023/MC-10246457-0001.pdf

9. Tekmetric: average auto repair labor rates by state, 2026 SHOP/RETAILER
https://tours.tekmetric.com/answers/average-auto-repair-labor-rates-by-state-2026

This report contains no affiliate links; retailer prices are quoted as price sources only. Found an error? Email hello@repairahead.com.

PLEASE READ

Important

Based on public records and published repair costs. Not a diagnosis or a guarantee. Your technician's inspection decides what your car needs. Confirm recalls with a dealer using your VIN.

Informational only. This report is not a mechanical inspection, a diagnosis, or professional, legal or financial advice. It was issued by Springfield Auto Care using RepairAhead data; the inspection findings and prices are the shop's.

Reported ranges and estimates, not predictions

Failure mileages are reported ranges compiled from public owner complaints, manufacturer bulletins, recalls and repair-shop reports. Costs are estimates. Parts can fail earlier, later or not at all, and other problems can occur. Statistics from owner complaints describe past reports to NHTSA; NHTSA has not reviewed or endorsed this analysis.

Safety issues go to a dealer

If you notice overheating, a burning or fuel smell, smoke, a brake-assist problem, stalling or loss of power, pull over when it's safe and contact a Nissan dealer or qualified shop. Safety recall repairs are free at Nissan dealers. Confirm recalls for this VIN at nhtsa.gov/recalls.

No warranty

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