2022 Nissan Rogue at 52,000 mi

JN8BT3BB8NW123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Rogue · T33 Rogue SV 1.5 VC-Turbo AWD	Nissan VC-Turbo variable-compression turbo engines (1.5L KR15DDT three-cylinder, 2.0L KR20DDET four)	52,000 mi	AWD
BUILD MONTH	**REPORT DATE**	**MODE**	**PREPARED FOR**
Not entered (door jamb)	October 27, 2026	Owner	Sample Owner

VIN check: check digit valid; model-year code 'N' = 2022, 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: a qualified technician decides what the car actually needs.

2
jobs recommended now

0
to plan in the next 30,000 miles · plus 1 factory maintenance item

0
to watch or check at each service

Safety recalls NHTSA lists for this model year (4 of 6)

- **25V-437** · Engine · bearings: Engine bearings can fail, stopping the engine; if the block is breached, hot oil can start a fire. Free ECM update and engine check.
- **22V-666** · Seat belts · rear buckles: The rear seat belts may not retract properly, which can keep them from being used.
- **22V-660** · Fuel tank: The fuel tank may have been punctured during vehicle modifications and can leak fuel, which can cause a fire.
- **22V-259** · Fuel tank: Part of the fuel tank wall may be too thin, so road debris can puncture it and leak fuel.

A model-year list, not a VIN check. The full report lists the others. Repairs are free at a Nissan dealer if open. 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, including 25V-437. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service

$100–$160

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

$100–$160

about 1 h of shop labor, our estimate

"Engine Malfunction Power Reduced" warning (EGR, P0404): Inside the range (14,000–73,000 mi, the middle half of 22 owner reports)
Known weak point for this engine, not a finding on your car. The inspection shows whether yours has early signs.

Engine bearing failure (recalls 25V-437 / 26V-080)

`Free if open`

Recall 25V-437 is listed for this model year. Check the VIN; the repair is free at a Nissan dealer if it is open.

Next 12 months up to about 64,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 82,000 mi

Nothing else enters its reported range in this window.

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

Nothing scheduled here.

Recommended now

$100–$160

Independent shop, installed. Dealers often charge more.

Planned through 82,000 mi

$100–$160

No other repairs on the list before 82,000 mi. Now + next 12 months + next 30,000 miles. Excludes factory maintenance (listed separately), “watch” and optional items.

Costs are published independent-shop ranges (low end + low end, high end + high end). 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 52,000 mi to 82,000 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
Engine coolant First change at 105,000 mi or 84 months (factory blue coolant), then every 75,000 mi or 60 months.	first at 105,000 mi, then every 75,000 mi or 5 years	Next at 105,000 mi [M1][M2][M4]
Brake fluid Nissan sets brake fluid at 24 months; the mileage figure follows that model year's oil-service interval.	every 15,000 mi or 2 years	**Was due at 45,000 mi and by age (check records)** [M1][M2][M4][M5]
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][M4]

M1. 2019 Nissan Altima Owner's Manual, ch. 9 Maintenance and schedules (PR25DD and KR20DDET tables) OFFICIAL
https://www.nissanusa.com/content/dam/Nissan/us/manuals-and-guides/altima/2019/2019-nissan-altima-owner-manual.pdf

M2. 2023 Nissan Rogue Owner's Manual, ch. 9 Maintenance and schedules (KR15DDT) OFFICIAL
https://www.nissanusa.com/content/dam/Nissan/us/manuals-and-guides/rogue/2023/2023-nissan-rogue-owner-manual.pdf

M3. Nissan USA official maintenance schedule lookup: 2024 Rogue (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.nissanusa.com/maintenance-schedules/2024/rogue/components/engine-coolant/

M4. Infiniti USA official maintenance schedule lookup: 2023 QX50 (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.infinitiusa.com/maintenance-schedules/2023/qx50/components/engine-coolant/

M5. Infiniti USA official maintenance schedule lookup: 2022 QX55 (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.infinitiusa.com/maintenance-schedules/2022/qx55/components/engine-coolant/

WHERE 52K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Engine bearing failure (recalls 25V-437 / 26V-080)	32,000–80,000 mi (middle half of 44 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	● Inside the range
2	"Engine Malfunction Power Reduced" warning (EGR, P0404)	14,000–73,000 mi (middle half of 22 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	● Inside 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 2022 Nissan Rogue

Safety recall repairs are free at Nissan dealers. 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 JN8BT3BB8NW123456.
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.

1.5L KR15 / 2.0L KR20 VC-TURBO RECALLS WE TRACK

25V-437 · Engine bearings may fail (VC-Turbo 1.5L and 2.0L) NHTSA lists this model and year: check by VIN

2019–2020 Altima, 2021–2024 Rogue, 2019–2022 QX50 and 2022 QX55: bearing defects can lead to engine failure and, if the block is breached, an oil fire. Free ECM software update; engine coverage extended. OFFICIAL [2]

☐ VIN checked ☐ Open: booked with dealer ☐ Completed (printout kept)

26V-080 · Engine bearings may seize from oil breakdown (2023–2025 Rogue 1.5L) Not listed for MY2022

Heat can break down the oil so the bearings seize. Free ECM update, code check and test drive; oil-pan debris check and engine replacement if needed. OFFICIAL [2]

EVERY RECALL NHTSA LISTS FOR THE 2022 NISSAN ROGUE (6)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
25V-437 1.5L KR15 / 2.0L KR20 VC-Turbo tracked	Engine · bearings	Engine bearings can fail, stopping the engine; if the block is breached, hot oil can start a fire. Free ECM update and engine check. Details
22V-666	Seat belts · rear buckles	The rear seat belts may not retract properly, which can keep them from being used. Details
22V-660	Fuel tank	The fuel tank may have been punctured during vehicle modifications and can leak fuel, which can cause a fire. Details
22V-259	Fuel tank	Part of the fuel tank wall may be too thin, so road debris can puncture it and leak fuel. Details
22V-772	Rear camera · infotainment display	The infotainment unit may keep rebooting, so the rear camera image does not show. Details
22V-527	Rear camera · infotainment display	The infotainment unit may reboot, so the rear camera image does not show. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: ROGUE. 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 2 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 (T33). Left out because they apply to other models, years, engine sizes or body codes: Electronic throttle body gears break (recall 26V-081); Variable compression (VCR) codes P11A7, fail-safe.

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1 Engine bearing failure (recalls 25V-437 / 26V-080)

Inside the range

Severity: Critical: rare, but can badly damage the engine · 284 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 52,000 mi this car is inside the reported range (32,000–80,000 mi (middle half of 44 owner complaints that state a mileage)), 20,000 miles past where reports start. Range: 32,000–80,000 mi (middle half of 44 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2019–2020 Altima, 2021–2025 Rogue, 2019–2022 QX50 and 2022 QX55 in the recall ranges

WHAT FAILS OFFICIAL [2]

The engine bearings may have manufacturing defects, and on 2023–2025 Rogues high temperatures can break down the oil so the bearings seize. A failed bearing can stall the engine, or break through the block and spill hot oil, which can start a fire. The recalls update the engine software, check for trouble codes and may inspect the oil pan for metal debris, with a new engine if needed. Nissan's recall filing also extends engine coverage to 10 years / 120,000 miles.

SYMPTOMS

- Knocking or rattling from the engine
- Check-engine light, reduced power
- Hard starting or stalling

IF IT'S LEFT TOO LONG

A seized bearing stops the engine and can cause an engine-bay fire.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Make sure the recall software is done; at the first knock go to a Nissan or Infiniti dealer, since coverage likely applies.

ESTIMATED REPAIR COST

Free under recalls 25V-437 / 26V-080	**Free if covered** OFFICIAL [2] independent shop, installed
Owner-reported repair bills in NHTSA complaints (n=8)	**$4,220–$10,520** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

Where the numbers come from: Computed from 8 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $6,980). Examples: ODI 11765566, 11705183, 11743486, 11733257. Owner-reported, often dealer prices; not shop quotes. Out-of-pocket only outside the recall and the extended engine coverage.

PARTS FOR T33

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

WHAT TO ASK YOUR SHOP

- Recall 25V-437 / 26V-080 done?
- Engine ever replaced?
- Oil changed on time with the right oil?

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2 "Engine Malfunction Power Reduced" warning (EGR, P0404)

Inside the range

Severity: High: overheating, stalls, limp mode or a big bill · 172 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 52,000 mi this car is inside the reported range (14,000–73,000 mi (middle half of 22 owner complaints that state a mileage)), 38,000 miles past where reports start. Range: 14,000–73,000 mi (middle half of 22 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2021–2023 Rogue 1.5L built on or before Sept 27, 2024

WHAT FAILS OFFICIAL [4]

The dash can show "Engine Malfunction Power Reduced Service Now", or the ECM stores P0404 (EGR A control). Nissan reprograms the ECM.

SYMPTOMS

- "Engine Malfunction Power Reduced" message
- Car limited to low speed
- P0404 stored

IF IT'S LEFT TOO LONG

Power can drop in traffic.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Ask for the ECM update before any EGR parts are replaced.

ESTIMATED REPAIR COST

No published price	**No published price** independent shop, installed
No published price	**No published price** reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR T33

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

WHAT TO ASK YOUR SHOP

- Ever seen the power-reduced message?

5 · ALSO REPORTED, NOT RANKED

Other themes in 1.5L KR15 / 2.0L KR20 VC-Turbo 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	214	Mixed causes; many are the bearing failures or the power-reduced warning.
Turbo	115	Mostly owners naming the VC-Turbo engine; few describe a turbocharger failure.
CVT / transmission	94	CVT complaints; no bulletin for this engine pairing in the top results.
Coolant loss / overheating	79	Some owners report EGR cooler coolant leaks; no Nissan bulletin found, so not a separate weak point.

6 · BUYING OR SELLING

Used-car checklist and resale helper

For owners this is a resale checklist: it's what a careful buyer will ask.

Ask the inspecting shop to check

- Bearing knock at warm idle
- Scan for P0404 / P11A7
- Open recalls by VIN

Ask the seller

- Recalls 25V-437 / 26V-080 / 26V-081 done?
- Ever had the power-reduced warning?
- Oil change intervals?

Documents to request

- Dealer service-history printout for the VIN
- nhtsa.gov/recalls screenshot

WHAT A BUYER MAY DEDUCT

FINDING	ESTIMATED ADJUSTMENT
Engine bearing failure (recalls 25V-437 / 26V-080): fault found on inspection	$4,220–$10,520
"Engine Malfunction Power Reduced" warning (EGR, P0404): symptoms or fault codes present	No published price
Pre-ticked rows (●), if no records clear them	**None at this mileage**

● = expected at this mileage. Estimated repair costs, not an appraisal. Recalls cost the seller nothing: ask for open recalls to be completed rather than discounted. OUR ESTIMATE

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. 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 27, 2026 from NHTSA's complaints API for All 2022–2025 Rogue (non-hybrid) complaints, 2019–2022 Altima complaints that name the VC-Turbo or 2.0 turbo, and all 2019–2025 QX50 and 2022–2025 QX55 complaints: 1,703 complaints. Some of these nameplates were sold with other engines too; for those we kept only complaints whose text names this engine, which under-counts. Themes are keyword matches on the complaint text. `COMPUTED FROM NHTSA DATA`

THEME	COMPLAINTS	IN THIS REPORT
Engine failure / bearing / knock	284	Item 1
Stalling / loss of power	214	Also reported
Power reduced / EGR	172	Item 2
Turbo	115	Also reported
CVT / transmission	94	Also reported
Coolant loss / overheating	79	Also reported
Throttle body	20	Other years or engine sizes
VCR actuator / P11A7	17	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 2022–2025 Rogue (1.5L VC-Turbo), 2019–2022 Altima complaints that name the VC-Turbo, 2019–2025 Infiniti QX50 and 2022–2025 QX55, pulled Oct 27, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. NHTSA recall records: 25V-437 (VC-Turbo engine bearings, 2019–2020 Altima, 2021–2024 Rogue, 2019–2022 QX50, 2022 QX55; Nissan's filing extends engine coverage to 120 months / 120,000 miles) and 26V-080 (2023–2025 Rogue bearings), checked Oct 27, 2026 `OFFICIAL`
https://www.nhtsa.gov/recalls?nhtsaId=25V437000

3. NHTSA recall records: 26V-081 (2024–2025 Rogue 1.5L VC-Turbo electronic throttle body gears), checked Oct 27, 2026 `OFFICIAL`
https://www.nhtsa.gov/recalls?nhtsaId=26V081000

4. Nissan NTB25-008: "Engine Malfunction Power Reduced Service Now" displayed or DTC P0404 (EGR A control): reprogram the ECM, 2021–2023 Rogue KR15DDT built on or before Sept 27, 2024 (2025-03-20), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2025/MC-11015914-0001.pdf

5. Nissan NTB21-110: MIL on with DTC P11A7 (VCR stopper position), possible fail-safe: reprogram the ECM, 2020–2021 Altima KR20DDET (2021-12-06), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2021/MC-10206383-0001.pdf

6. Infiniti ITB21-027: MIL on with DTC P11A7 (VCR stopper position): reprogram the ECM, 2020 QX50 (2021-12-08), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2021/MC-10206346-0001.pdf

7. Tekmetric: average auto repair labor rates by state, 2026 (national average $132/h; state averages $85–$197/h). We use $100–$160/h for labor-time estimates. SHOP/RETAILER
https://tours.tekmetric.com/answers/average-auto-repair-labor-rates-by-state-2026

8. RepairPal: Nissan Rogue throttle body replacement cost (2025 Rogue $709–$893; 2022–2023 Rogue $613–$698), via search extract Oct 27, 2026 SHOP/RETAILER
https://repairpal.com/estimator/nissan/rogue/2023/throttle-body-replacement-cost

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. Nobody from RepairAhead has seen, driven or inspected this vehicle.

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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Wrong input (VIN, mileage, build date)? Email hello@repairahead.com with report ID RA-KR15-123456-20261027 and we'll correct and reissue it.

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.