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

2018 Infiniti Q50 at 84,000 mi

JN1EV7AR6JM123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Q50 · V37 Q50 3.0t Luxe AWD sedan	Nissan/Infiniti VR30DDTT 3.0L twin-turbo V6	84,000 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 'J' = 2018, 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 3 factory maintenance items

3
to watch or check at each service

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask an Infiniti 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

Turbocharger oil leak (white smoke, check-engine light): Inside the range (40,000–117,000 mi, the middle half of 10 owner reports) · **may be free at an Infiniti dealer** (free under P4A05/P4A06 while inside 10 years / 120,000 miles (2016–2018 Q50, 2017–2018 Q60)) · if it fails outside that coverage: $3,128–$3,826

Known weak point for this engine, not a finding on your car. The inspection shows whether yours has early signs.

Next 12 months up to about 96,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 114,000 mi

Nothing else enters its reported range in this window.

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

Air flow codes P0101 / P010B (air duct leak, ECM update) — **Ask us for a quote**

Any mileage (2016–2023 Q50 and 2017–2022 Q60 VR30DDTT) · Inspect at each service; fix at the first sign

Water pump seepage and coolant residue — **$45**

Any mileage (Q50 and Q60 with the V6 (bulletin dated 2020)) · Inspect at each service; fix at the first sign

our price EXAMPLE

Torque converter code P0744 (7-speed automatic) — **Ask us for a quote**

Any mileage (2017–2020 Q50 and Q60) · Inspect at each service; fix at the first sign

Recommended now

$140

Springfield Auto Care prices (example)

Planned through 114,000 mi

From $697

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 84,000 mi to 114,000 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	**Due at 105,000 mi** [M1][M2][M3]	**$249**
Engine coolant First change at 105,000 mi or 84 months (factory blue coolant), then every 75,000 mi or 5 years.	first at 105,000 mi, then every 75,000 mi or 5 years	**Due by age: 7-year limit passed (check records)** [M1][M2][M3]	**From $179**
Brake fluid Nissan sets brake fluid at 24 months; the mileage figure follows that model year's oil-service interval.	every 20,000 mi or 2 years	**Was due at 80,000 mi and by age (check records)** [M1][M2][M3]	**$129**

M1. Infiniti USA official maintenance schedule lookup: 2020 Q50 (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.infinitiusa.com/maintenance-schedules/2020/q50/components/engine-coolant/

M2. Infiniti USA official maintenance schedule lookup: 2019 Q60 (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.infinitiusa.com/maintenance-schedules/2019/q60/components/engine-coolant/

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

WHERE 84K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Turbocharger oil leak (white smoke, check-engine light)	40,000–117,000 mi (middle half of 10 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Inside the range
2	Air flow codes P0101 / P010B (air duct leak, ECM update)	2016–2023 Q50 and 2017–2022 Q60 VR30DDTT OFFICIAL	Any mileage
3	Water pump seepage and coolant residue	Q50 and Q60 with the V6 (bulletin dated 2020) OFFICIAL	Any mileage
4	Torque converter code P0744 (7-speed automatic)	2017–2020 Q50 and Q60 OFFICIAL	Any mileage

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 2018 Infiniti Q50

Safety recall repairs are free at Infiniti 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 JN1EV7AR6JM123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask an Infiniti dealer for a campaign printout; it also lists completed campaigns.

3.0L TWIN-TURBO V6 VR30DDTT RECALLS WE TRACK

Other 3.0L twin-turbo V6 VR30DDTT recalls we track, not listed by NHTSA for this model and year: 21V-234 (ECM may cut engine power after rapid acceleration (2021 Q50 and Q60)).

EVERY RECALL NHTSA LISTS FOR THE 2018 INFINITI Q50 (1)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
19V-654	Rear camera · display	The rear camera image may not show, which reduces rear visibility. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: Q50. 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

Left out of this list (Q50): 24V-470 (driveshaft) covers two-wheel-drive Q50s only and 17V-476 (fuel pump control software) covers the 2.0L Q50 only; both are left out of this AWD 3.0t sample. A VIN check would show them if they applied.

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 4 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 (V37).

1 Turbocharger oil leak (white smoke, check-engine light)

Inside the range

Severity: High: overheating, stalls, limp mode or a big bill · 31 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 84,000 mi this car is inside the reported range (40,000–117,000 mi (middle half of 10 owner complaints that state a mileage)), 44,000 miles past where reports start. Range: 40,000–117,000 mi (middle half of 10 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2016–2018 Q50 and 2017–2018 Q60 covered to 10 years / 120,000 miles; the replacement procedure covers 2016–2024 Q50 and 2017–2022 Q60

WHAT FAILS OFFICIAL [2][3]

The turbocharger bearing can wear early and leak engine oil inside the turbo. That causes heavy exhaust smoke, a check-engine light (P0106) and, in severe cases, low power or damage inside the turbo. Infiniti replaces the affected turbo(s) and updates the engine software, and extended turbo coverage on 2016–2018 Q50 and 2017–2018 Q60 to 10 years or 120,000 miles.

SYMPTOMS

- White or blue smoke from the exhaust once warm
- Check-engine light (P0106)
- Low power or limp mode
- Oil use between changes

IF IT'S LEFT TOO LONG

Oil keeps leaking into the intake and exhaust; the turbo can fail and the engine can lose power.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the VIN for the turbo warranty extension before paying; fix smoke early.

ESTIMATED REPAIR COST

Free under P4A05/P4A06 while inside 10 years / 120,000 miles (2016–2018 Q50, 2017–2018 Q60)	**Free if covered** OFFICIAL [3] published independent-shop range
One turbocharger assembly replaced (RepairPal 2023 Q50 estimate)	**$3,128–$3,826** SHOP/RETAILER [9] reported range for the bill after a failure

Where the numbers come from: Outside the extension. Infiniti warranty time to swap one turbo is 7.4–7.8 h and both is 8.4–8.8 h [2] (the drivetrain comes out), so replacing both costs more than the single-turbo shop estimate.

PARTS FOR V37

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

QUESTIONS TO ASK US

- Any smoke from the exhaust?
- Turbo replaced under the extension?
- Is the ECM tune stock? (modified cars are excluded)

2 Air flow codes P0101 / P010B (air duct leak, ECM update)

Any mileage

Severity: Medium: leaks and wear · 2 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2016–2023 Q50 and 2017–2022 Q60 VR30DDTT), so mileage doesn't say much here. Range: 2016–2023 Q50 and 2017–2022 Q60 VR30DDTT OFFICIAL [4][5]

WHAT FAILS OFFICIAL [4][5]

The check-engine light can come on with P0101 or P010B (mass air flow sensor, bank 1 or bank 2). Infiniti first reprogrammed the ECM on 2016–2017 cars. Later it told dealers to check the air duct on that side for a leak or poor connection and refit it.

SYMPTOMS

- Check-engine light
- P0101 or P010B stored
- Usually no drivability problem

IF IT'S LEFT TOO LONG

An unmetered air leak upsets fueling and can hide other faults.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the air ducts and clamps first; the fix is often a refit.

ESTIMATED REPAIR COST

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

PARTS FOR V37

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

QUESTIONS TO ASK US

- Any check-engine light?

3 Water pump seepage and coolant residue

Any mileage

Severity: Medium: leaks and wear · 7 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Q50 and Q60 with the V6 (bulletin dated 2020)), so mileage doesn't say much here. Range: Q50 and Q60 with the V6 (bulletin dated 2020) OFFICIAL [6]

WHAT FAILS OFFICIAL [6]

Coolant residue can collect on the water pump and its pulley. If a pressure test shows no leak, Infiniti cleans the pulley face and applies a seal treatment. A pump that leaks under pressure is replaced.

SYMPTOMS

- Dried coolant on the water pump or pulley
- Coolant level slowly dropping
- Sweet smell after driving

IF IT'S LEFT TOO LONG

A pump that starts to leak can let the engine overheat.

ESTIMATED REPAIR COST

Labor only, 0.2 h Infiniti warranty time	**Our price is in the plan above** ask us for a written quote
Water pump replacement (RepairPal Q50 estimate)	**$1,315–$1,696** SHOP/RETAILER [9] reported range for the bill after a failure

Where the numbers come from: Early: Estimate: Infiniti warranty labor time of 0.2 h (bulletin [6]) × $100–$160/h

IS IT WORTH DOING EARLY? OUR ESTIMATE

Pressure-test the cooling system when residue shows up; replace the pump only if it leaks.

independent-shop labor rate [8]. Parts are extra unless stated; check the VIN for open warranty coverage first. Covers cleaning and the seal treatment only.

PARTS FOR V37

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

QUESTIONS TO ASK US

- Topping up coolant?

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4 Torque converter code P0744 (7-speed automatic)

Any mileage

Severity: Medium: leaks and wear · 5 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2017–2020 Q50 and Q60), so mileage doesn't say much here. Range: 2017–2020 Q50 and Q60 OFFICIAL [7]

WHAT FAILS OFFICIAL [7]

The transmission computer can store P0744 (torque converter). Infiniti reprograms the transmission control module.

SYMPTOMS

- Check-engine light
- P0744 stored
- Shudder or slip at light throttle

IF IT'S LEFT TOO LONG

Left alone, lock-up problems can wear the torque converter.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Scan the TCM and ask for the update before any parts are replaced.

ESTIMATED REPAIR COST

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

PARTS FOR V37

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

QUESTIONS TO ASK US

- Any shudder?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.0L twin-turbo V6 VR30DDTT 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
Air bags	47	Air bag complaints; not an engine fault.
Steering	33	Direct Adaptive Steering complaints; not an engine fault.
Stalling / loss of power	32	Mixed causes; includes recall 21V-234 (2021 cars cutting power after hard acceleration).
Engine failure / knock	20	Several owners describe engine failure next to turbo oil leaks; no bulletin ties the two, so it is not a separate weak point.

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 27, 2026 from NHTSA's complaints API for Q50 complaints from 2016 on that do not mention the 2.0 or the hybrid, Q60 complaints that do not mention the 2.0, and all Nissan Z complaints: 263 complaints. Some of these nameplates were sold with other engines too; for those we left out complaints whose text names another engine or a hybrid, so a few complaints about other engines can remain. Themes are keyword matches on the complaint text.

COMPUTED FROM NHTSA DATA

THEME	COMPLAINTS	IN THIS REPORT
Air bags	47	Also reported
Steering	33	Also reported
Stalling / loss of power	32	Also reported
Turbo / smoke / oil leak	31	Item 1
Engine failure / knock	20	Also reported
Coolant leak / water pump	7	Item 3
Transmission / torque converter	5	Item 4
Air flow codes / P0101	2	Item 2

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 2016–2025 Infiniti Q50 (not the 2.0t or hybrid), 2017–2022 Q60 (not the 2.0t) and 2023–2025 Nissan Z, pulled Oct 27, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Infiniti ITB22-038D: Turbocharger replacement procedure, 2016–2024 Q50 and 2017–2022 Q60 with VR30DDTT (FRT 7.4–7.8 h one turbo, 8.4–8.8 h both) (2025-02-04), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2025/MC-11014066-0001.pdf

3. Infiniti P4A05 / P4A06: Turbocharger emission warranty extension to 10 years / 120,000 miles, 2016–2018 Q50 and 2017–2018 Q60 (white smoke or oil leak with MIL on) (2025-02-04), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2025/MC-11014069-0001.pdf

4. Infiniti ITB17-017: MIL on with DTC P0101, P010B and/or P0106 (VR30DDTT): reprogram the ECM, 2016–2017 Q50 and 2017 Q60 (2017-03-06), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2017/MC-10109192-9999.pdf

5. Infiniti ITB23-001: MIL on with DTC P0101 and/or P010B: inspect and refit the air duct, 2016–2023 Q50 and 2017–2022 Q60 VR30DDTT (2023-01-18), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2023/MC-10231087-0001.pdf

6. Infiniti ITB20-016: Q50 and Q60 with V6 engine: coolant residue at the water pump (FRT 0.2 h) (2020-05-19), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2020/MC-10176218-0001.pdf

7. Infiniti ITB23-022: DTC P0744 (torque converter) stored in the TCM: reprogram the TCM, 2017–2020 Q50 and Q60 (2023-07-11), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2023/MC-10240534-0001.pdf

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

9. RepairPal: 2023 INFINITI Q50 repair costs, via search extract Oct 27, 2026 SHOP/RETAILER
https://www.repairpal.com/cars/infiniti/q50/2023

10. NHTSA recall records: 21V-234 (2021 Q50 and Q60: ECM may cut engine power after rapid acceleration), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=21V234000

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 an Infiniti dealer or qualified shop. Safety recall repairs are free at Infiniti dealers. Confirm recalls for this VIN at nhtsa.gov/recalls.

No warranty

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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.