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

2018 Lexus NX 300 at 75,000 mi

JTJYARBZ5J2123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
NX 300 · AZ10 NX 300 2.0 turbo FWD	Toyota / Lexus 8AR-FTS 2.0L turbo four	75,000 mi	FWD
BUILD MONTH	**REPORT DATE**	**MODE**	**PREPARED FOR**
Not entered (door jamb)	October 28, 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
job recommended now

0
to plan in the next 30,000 miles · plus 3 factory maintenance items

2
to watch or check at each service

Safety recalls NHTSA lists for this model year (1)

- **20V-682** · Fuel system · low-pressure fuel pump: The fuel pump inside the tank can stop working. The engine may run rough or stall while driving, which raises the risk of a crash.

A model-year list, not a VIN check. Repairs are free at a Lexus dealer if open. Check this VIN at nhtsa.gov/recalls.

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask a Lexus dealer for a campaign printout, including 20V-682. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service

Low-pressure fuel pump failure (recalls and extended coverage) Free if open

Recall 20V-682 is listed for this model year. Check the VIN; the repair is free at a Lexus dealer if it is open.

Next 12 months up to about 87,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 105,000 mi

Nothing else enters its reported range in this window.

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

Worn exhaust valve guides (misfire, cylinder head replacement) **$4,900**

Any mileage (2015–2024 engines built before the production change (Lexus bulletin L-SB-0007-21)) · Inspect at each service; fix at the first sign

our price EXAMPLE

Water pump leak **$740**

Any mileage (Lexus leak-inspection bulletin covers these models) · Inspect at each service; fix at the first sign

our price EXAMPLE

Recommended now

Free recall check

Springfield Auto Care prices (example)

Planned through 105,000 mi

From $557

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 75,000 mi to 105,000 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	every 40,000 mi	**Was due at 40,000 mi, next 80,000 mi** [M1][M2][M3][M4][M5]	**$249**
Engine coolant Toyota Super Long Life Coolant: first change at 100,000 mi or 10 years, then every 50,000 mi or 5 years.	first at 100,000 mi, then every 50,000 mi or 5 years	**Due at 100,000 mi** [M1][M4]	**From $179**
Brake fluid Lexus schedule: replace every 30,000 mi or 36 months.	every 30,000 mi or 3 years	**Was due at 60,000 mi and by age (check records)** [M1][M4][M6]	**$129**
Automatic transmission fluid No automatic transmission fluid change on the normal Lexus schedule (NX lists one only for severe use).	no fixed interval	— [M4]	—

M1. 2015 Lexus NX 200t Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-15NX200T/pdf/L-MMS-15NX200T.pdf

M2. 2016 Lexus IS 200t Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-16IS200T/pdf/L-MMS-16IS200T.pdf

M3. 2018 Lexus GS 300 Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-18GS300/pdf/L-MMS-18GS300.pdf

M4. 2019 Lexus IS 300 Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-19IS300/pdf/L-MMS-19IS300.pdf

M5. 2021 Lexus IS 300 Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-21IS300/pdf/L-MMS-21IS300.pdf

M6. 2018 Lexus NX 300 Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-18NX300/pdf/L-MMS-18NX300.pdf

WHERE 75K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Worn exhaust valve guides (misfire, cylinder head replacement)	2015–2024 engines built before the production change (Lexus bulletin L-SB-0007-21) OFFICIAL	Any mileage
2	Low-pressure fuel pump failure (recalls and extended coverage)	Recalled 2015–2022 vehicles and 2015–2020 vehicles under programs 23LE01 / 23LE02 OFFICIAL	Any mileage
3	Water pump leak	Any mileage; Lexus leak-inspection bulletin covers these models 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 Lexus NX 300

Safety recall repairs are free at Lexus 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 JTJYARBZ5J2123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Lexus dealer for a campaign printout; it also lists completed campaigns.

2.0L 8AR-FTS TURBO RECALLS WE TRACK

20V-012 · Low-pressure fuel pump can fail (2015 NX 200t, 2017 IS/RC 200t, 2018–2019 GS/IS/RC 300, NX 300 and others)

Not listed for MY2018

The fuel pump inside the tank may stop working; the engine can run rough or stall. Free fuel pump replacement. OFFICIAL [3]

20V-682 · Low-pressure fuel pump can fail, expansion (2017 GS/IS/RC 200t, 2018–2019 NX 300, 2019 GS/IS/RC 300 and others)

NHTSA lists this model and year: check by VIN

Expansion of 20V-012. Free improved fuel pump assembly. OFFICIAL [3]

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

26V-222 · Low-pressure fuel pump can fail (2015–2022 RC, 2016–2020 GS, 2022 IS)

Not listed for MY2018

The fuel pump inside the tank may fail. Free fuel pump assembly replacement; owner letters mailed October 2026. OFFICIAL [3]

EVERY RECALL NHTSA LISTS FOR THE 2018 LEXUS NX 300 (1)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
20V-682 2.0L 8AR-FTS turbo tracked	Fuel system · low-pressure fuel pump	The fuel pump inside the tank can stop working. The engine may run rough or stall while driving, which raises the risk of a crash. Details

Source: NHTSA recalls API, fetched 2026-10-28 and combined across NHTSA model names: NX300. 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 (NX300): None dropped. 20V-682 covers 2018–2019 NX 300; if the pump was replaced under it, program 23LE01 extends pump coverage to July 2036 / 150,000 miles.

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 (AZ10). Left out because they apply to other models, years, engine sizes or body codes: Rocking or surging at 30–70 mph (vacuum regulating valve); Pre-ignition code P1378 with reduced power (engine software).

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1 Worn exhaust valve guides (misfire, cylinder head replacement)

Any mileage

Severity: Critical: rare, but can badly damage the engine · 14 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2015–2024 engines built before the production change (Lexus bulletin L-SB-0007-21)), so mileage doesn't say much here. Range: 2015–2024 engines built before the production change (Lexus bulletin L-SB-0007-21) OFFICIAL [2]

WHAT FAILS OFFICIAL [2]

The exhaust valve guides can wear, so the exhaust valves stop sealing and a cylinder loses compression. The check-engine light comes on with misfire or air-fuel imbalance codes, and the car may go into reduced power. Lexus confirms it with a cylinder leakage test and replaces the cylinder head, exhaust valves and seals; it is covered under the 6-year / 70,000-mile powertrain warranty.

SYMPTOMS

- Check-engine light with misfire codes (P0300–P0304)
- Air-fuel imbalance codes (P11EA–P11EF, P219A–P219F)
- "Reduced engine power" message
- Rough running

IF IT'S LEFT TOO LONG

A cylinder with leaking exhaust valves keeps misfiring and can damage the catalytic converter; the fix only gets bigger.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Do a leakage test at the first misfire code; check whether the car is still inside the powertrain warranty.

ESTIMATED REPAIR COST

Labor only, 22–22.9 h Lexus warranty time plus the cylinder head, exhaust valves and gaskets	**Our price is in the plan above** ask us for a written quote
Labor only, 22–22.9 h Lexus warranty time plus the cylinder head, exhaust valves and gaskets	**$2,200–$3,660** OUR ESTIMATE [2] [10] labor only, parts extra

Where the numbers come from: Estimate: Lexus warranty labor time of 22–22.9 h (bulletin [2]) × $100–$160/h independent-shop labor rate [10]. Parts are extra unless stated; check the VIN for open warranty coverage first.

PARTS FOR AZ10

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

QUESTIONS TO ASK US

- Any misfire or reduced-power warnings?
- Cylinder head replaced under bulletin L-SB-0007-21?

2 Low-pressure fuel pump failure (recalls and extended coverage)

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 51 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Recalled 2015–2022 vehicles and 2015–2020 vehicles under programs 23LE01 / 23LE02), so mileage doesn't say much here. Range: Recalled 2015–2022 vehicles and 2015–2020 vehicles under programs 23LE01 / 23LE02 OFFICIAL [3]

WHAT FAILS OFFICIAL [3][4][5]

The fuel pump inside the tank can fail. The engine may run rough, not start, or stall while driving. Lexus recalled many 8AR models (20V-012, 20V-682, and 26V-222 for some RC, GS and 2022 IS), and after a class-action settlement covers the pump for 15 years on 2015–2020 NX 200t / NX 300 not in a recall, and to July 2036 or 150,000 miles on cars already fixed under the recall.

SYMPTOMS

- Hard start or no start
- Rough running, check-engine light
- Stall while driving

IF IT'S LEFT TOO LONG

A stall in traffic is a crash risk.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the VIN for open recalls; outside a recall, ask a Lexus dealer about programs 23LE01 / 23LE02.

ESTIMATED REPAIR COST

Free under recall or program 23LE01 / 23LE02	**Free if covered** OFFICIAL [3] published independent-shop range
No published bill outside the recalls and programs	**No published price** reported range for the bill after a failure

PARTS FOR AZ10

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

QUESTIONS TO ASK US

- Fuel pump recalls done?
- Any stalling or hard starts?

3 Water pump leak

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 4 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Any mileage; Lexus leak-inspection bulletin covers these models), so mileage doesn't say much here. Range: Any mileage; Lexus leak-inspection bulletin covers these models OFFICIAL [6]

WHAT FAILS OFFICIAL [6]

The belt-driven water pump can seep or leak coolant from its weep hole. Lexus tells technicians how to tell a normal seep from an active leak before replacing it.

SYMPTOMS

- Pink or white crust near the pump
- Coolant level dropping
- Temperature gauge rising

ESTIMATED REPAIR COST

Water pump replacement, NX200t (RepairPal estimate)	**Our price is in the plan above** ask us for a written quote
Same job; overheating	**$651–$742** SHOP/RETAILER [7] reported range for the bill after a failure

IF IT'S LEFT TOO LONG

Low coolant can overheat a turbo engine quickly.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Replace at the first active leak.

damage costs
more

PARTS FOR AZ10

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

QUESTIONS TO ASK US

- Any coolant top-ups?
- Water pump ever replaced?

5 · ALSO REPORTED, NOT RANKED

Other themes in 2.0L 8AR-FTS 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
Brakes	46	Brake complaints (pedal feel, noise, braking assist); not an engine fault.
Transmission	17	Counts every transmission complaint; not an engine fault.

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/Toyota 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 2015–2021 NX 200t / NX 300 and 2015–2017 IS 200t, RC 200t and GS 200t complaints, plus 2018–2025 IS 300 / RC 300 and 2015–2019 IS / RC / GS complaints that name the 2.0L, turbo, 200t or rear-wheel drive and not the V6 or AWD: 236 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
Fuel pump / stalling	51	Item 2
Brakes	46	Also reported
Transmission	17	Also reported
Misfire / reduced power	14	Item 1
Coolant leak / water pump	4	Item 3
Surging / hesitation	4	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 2015–2021 NX 200t / NX 300, 2016–2017 IS 200t, RC 200t and GS 200t, and 2018–2025 IS 300 / RC 300 and GS 300 complaints that point to the 2.0L turbo, pulled Oct 27, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Lexus L-SB-0007-21 Rev2: MIL ON with air-fuel ratio imbalance and/or cylinder misfire DTCs (worn exhaust valve guides; cylinder head replacement), 8AR-FTS models 2015–2024 (2024-07-02), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2024/MC-11006142-0001.pdf

3. NHTSA recall records: 20V-012, 20V-682 and 26V-222 (low-pressure fuel pump), checked Oct 27, 2026 `OFFICIAL`
https://www.nhtsa.gov/recalls?nhtsaId=20V012000

4. Lexus Customer Support Program 23LE02: Denso low-pressure fuel pump class-action settlement: 15-year coverage for 2015–2020 NX 200t / NX 300 not in a recall (2023-02-09), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2023/MC-10235220-9999.pdf

5. Lexus Customer Support Program 23LE01: Low-pressure fuel pump coverage to July 15, 2036 / 150,000 miles for vehicles repaired under recall 20LA01 or campaign 21LC01 (2023-02-09), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2023/MC-10235219-9999.pdf

6. Lexus L-SB-0039-20: Water pump leak inspection and diagnostic tips (non-electric pumps), 2008–2021 Lexus incl. NX 200t/300, IS/RC/GS 200t/300 (2020-10-16), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2020/MC-10183269-9999.pdf

7. RepairPal: Lexus NX200t repair and maintenance costs, via search extract Oct 28, 2026 SHOP/RETAILER
https://www.repairpal.com/cars/lexus/nx200t/2015

8. Lexus L-SB-0153-17: 8AR rocking (forward and back) sensation on acceleration at 30–70 mph: replace vacuum regulating valve, 2015–2017 NX 200t and 2016–2017 GS/IS/RC 200t (2017-09-19), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2017/MC-10119435-9999.pdf

9. Lexus L-SB-0159-17: MIL ON P137800 (pre-ignition detected) with reduced engine power: ECM reprogram, 2015–2017 NX 200t and 2016–2017 GS/IS/RC 200t (2017-10-05), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2017/MC-10132667-9999.pdf

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

No warranty

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