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

2020 Toyota RAV4 at 60,000 mi

2T3P1RFV3LC123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
RAV4 · XA50 RAV4 XLE AWD (2.5L)	Toyota Dynamic Force 2.5L four (A25A-FKS)	60,000 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 'L' = 2020, 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.

0	0	4
jobs recommended now	to plan in the next 30,000 miles	to watch or check at each service

Safety recalls NHTSA lists for this model year (6)

- **20V-064** · Engine · cracked block casting: Porous engine castings can crack and leak coolant inside or outside the engine; the engine can overheat and stall, and a damaged engine can leak oil, a fire risk.
- **23V-865** · Air bags · passenger occupant sensor: A short in the seat sensor can stop the front passenger air bag from deploying in a crash.
- **20V-734** · Air bags · driver frontal (steering column): Steering column pins damaged in production can make the driver air bag work less well in a crash.
- **20V-682** · Fuel system · low-pressure fuel pump: The fuel pump in the tank can fail, so the engine can stall while driving.
- **20V-373** · Steering · electric power assist: Water can get into the steering gear cover and cut power steering assist.
- **20V-286** · Front suspension · lower control arms: A cracked front lower arm can separate from the wheel, causing a loss of control.

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

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask a Toyota dealer for a campaign printout, including 20V-064. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service

Good news: nothing on the 2.5L A25A-FKS watch list is due at this mileage. Worth a fresh look at about 70,000 mi.

Next 12 months up to about 72,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 90,000 mi

Nothing else enters its reported range in this window.

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

Milky oil and low-oil-pressure warning in freezing weather — **Ask us for a quote**
Any mileage (2018-on A25A and M20A engines driven short trips in freezing temperatures) · Ask for this check at every service

High-pressure fuel pump seepage (fuel smell) — `Free if covered` check the VIN
Any mileage (2019–2022 RAV4 covered by Toyota program 23TE01) · Ask for this check at every service

Coolant flow shut-off valve leak — `Free if covered` check the VIN
Inside the range (38,000–60,000 mi, the middle half of 46 owner reports) · Ask for this check at every service

Oil pan and timing-cover oil leaks — **$350**
Any mileage (2020-on engines; Toyota bulletins for the oil pan (2023–2024) and the timing cover area) · Inspect at each service; fix at the first sign
our price `EXAMPLE`

Recommended now

Nothing due: good news

Springfield Auto Care prices (example)

Planned through 90,000 mi

Nothing due

Now + next 12 months + next 30,000 miles. 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 60,000 mi to 90,000 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
Spark plugs	every 120,000 mi	Next at 120,000 mi [M1][M2][M3][M4]
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	Next at 100,000 mi [M1][M3][M4]
Automatic transmission fluid No change on the normal schedule (inspect only); Toyota lists a 60,000-mi replacement only for towing, heavy loads or long idling/low-speed use.	no fixed interval	— [M1][M3]

M1. 2019 Toyota Camry Warranty & Maintenance Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/T-MMS-19Camry/pdf/T-MMS-19Camry.pdf

M2. 2023 Toyota Camry Warranty & Maintenance Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/T-MMS-23Camry/pdf/T-MMS-23Camry.pdf

M3. 2019 Toyota RAV4 Warranty & Maintenance Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/T-MMS-19RAV4/pdf/T-MMS-19RAV4.pdf

M4. 2023 Toyota RAV4 Warranty & Maintenance Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/T-MMS-23RAV4/pdf/T-MMS-23RAV4.pdf

M5. 2019 Lexus ES 350 Warranty and Services Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/L-MMS-19ES350/pdf/L-MMS-19ES350.pdf

WHERE 60K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Milky oil and low-oil-pressure warning in freezing weather	2018-on A25A and M20A engines driven short trips in freezing temperatures OFFICIAL	Any mileage
2	High-pressure fuel pump seepage (fuel smell)	2019–2022 RAV4 covered by Toyota program 23TE01 OFFICIAL	Any mileage
3	Coolant flow shut-off valve leak	38,000–60,000 mi (middle half of 46 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Inside the range
4	Oil pan and timing-cover oil leaks	2020-on engines; Toyota bulletins for the oil pan (2023–2024) and the timing cover area 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 2020 Toyota RAV4

Safety recall repairs are free at Toyota 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 2T3P1RFV3LC123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Toyota dealer for a campaign printout; it also lists completed campaigns.

2.5L A25A-FKS RECALLS WE TRACK

20V-064 · Cracked engine block casting can leak coolant (2019–2020 RAV4, 2020 Camry)

NHTSA lists this model and year: check by VIN

Porosity in the engine casting can crack and leak coolant inside or outside the engine, leading to damage or a stall. Free inspection and repair. OFFICIAL [7]

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

Other 2.5L A25A-FKS recalls we track, not listed by NHTSA for this model and year: 18V-200 (oversize pistons can cause a stall (2018 Camry 2.5L)).

EVERY RECALL NHTSA LISTS FOR THE 2020 TOYOTA RAV4 (6)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
20V-064 2.5L A25A-FKS tracked	Engine · cracked block casting	Porous engine castings can crack and leak coolant inside or outside the engine; the engine can overheat and stall, and a damaged engine can leak oil, a fire risk. Details
23V-865	Air bags · passenger occupant sensor	A short in the seat sensor can stop the front passenger air bag from deploying in a crash. Details
20V-734	Air bags · driver frontal (steering column)	Steering column pins damaged in production can make the driver air bag work less well in a crash. Details
20V-682	Fuel system · low-pressure fuel pump	The fuel pump in the tank can fail, so the engine can stall while driving. Details
20V-373	Steering · electric power assist	Water can get into the steering gear cover and cut power steering assist. Details
20V-286	Front suspension · lower control arms	A cracked front lower arm can separate from the wheel, causing a loss of control. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: RAV4. 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 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 (XA50). Left out because they apply to other models, years, engine sizes or body codes: Electric water pump (2022 on).

1 Milky oil and low-oil-pressure warning in freezing weather

Any mileage

Severity: Medium: leaks and wear · 0 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2018-on A25A and M20A engines driven short trips in freezing temperatures), so mileage doesn't say much here. Range: 2018-on A25A and M20A engines driven short trips in freezing temperatures OFFICIAL [2]

WHAT FAILS OFFICIAL [2]

In freezing weather, condensation can build up in the crankcase on short trips and turn the oil milky, setting low-oil-pressure codes. Toyota's fix is an oil and filter change with drive-cycle guidance, not an engine repair.

SYMPTOMS

- "Oil Pressure Low" message
- Check-engine light with P05202A or P052477
- Milky or tan sludge on the oil cap

IF IT'S LEFT TOO LONG

Moisture in the oil reduces protection; coolant in the oil (a different problem) must be ruled out.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the oil cap every winter service; rule out a coolant leak before accepting it as condensation.

ESTIMATED REPAIR COST

Oil and filter change (routine price)	**Our price is in the plan above** ask us for a written quote
No published bill	**No published price** reported range for the bill after a failure

PARTS FOR XA50

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

QUESTIONS TO ASK US

- Mostly short winter trips?
- Any oil pressure warnings?

2 High-pressure fuel pump seepage (fuel smell)

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 123 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2019–2022 RAV4 covered by Toyota program 23TE01), so mileage doesn't say much here. Range: 2019–2022 RAV4 covered by Toyota program 23TE01 OFFICIAL [3]

Applies to: 2019–2022 RAV4 (gasoline A25A) under Toyota program 23TE01. The program does not list the 2.5L Camry (its Camry entry is the V6) or the Lexus ES 250 / NX 250.

WHAT FAILS OFFICIAL [3]

The engine-mounted high-pressure fuel pump can seep fuel at low pressure, causing a fuel smell in or around the engine bay. Toyota extended coverage on the pump to 10 years from first use with no mileage limit.

SYMPTOMS

- Fuel smell around the engine bay or in the cabin

IF IT'S LEFT TOO LONG

Leaking fuel near a hot engine is a fire risk; fix at once.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Free at a Toyota dealer within 10 years of first use; confirm the VIN is covered.

ESTIMATED REPAIR COST

Free under program 23TE01 (10 years from first use)	**Free if covered** OFFICIAL [3] published independent-shop range
No published bill outside the program	**No published price** reported range for the bill after a failure

PARTS FOR XA50

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

QUESTIONS TO ASK US

- Any fuel smell?
- Was program 23TE01 work done?

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3 Coolant flow shut-off valve leak

Inside the range

Severity: Medium: leaks and wear · 134 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

At 60,000 mi this car is inside the reported range (38,000–60,000 mi (middle half of 46 owner complaints that state a mileage)), 22,000 miles past where reports start. Range: 38,000–60,000 mi (middle half of 46 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2018–2021 Camry and 2019–2021 RAV4 under Toyota program 24TE04 (10 years or 100,000 miles). The Lexus ES 250 / NX 250 are not in this program.

WHAT FAILS OFFICIAL [4]

A valve that controls coolant flow can leak a small amount of coolant onto other parts and set an "Engine Maintenance Required" message. Toyota extended coverage on it.

SYMPTOMS

- "Engine Maintenance Required" message
- Small coolant drips
- Coolant level dropping

IF IT'S LEFT TOO LONG

Coolant loss can lead to overheating.

IS IT WORTH DOING EARLY? OUR ESTIMATE

ESTIMATED REPAIR COST

Free under program 24TE04 (10 yr / 100k mi)	**Free if covered** OFFICIAL [4] published independent-shop range
No published bill outside the program	**No published price** reported range for the bill after a failure

PARTS FOR XA50

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

Free at a Toyota dealer inside the coverage window; check the VIN.

QUESTIONS TO ASK US

- Any engine maintenance message or coolant top-ups?

4 Oil pan and timing-cover oil leaks

Any mileage

Severity: Medium: leaks and wear · 10 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2020-on engines; Toyota bulletins for the oil pan (2023–2024) and the timing cover area), so mileage doesn't say much here. Range: 2020-on engines; Toyota bulletins for the oil pan (2023–2024) and the timing cover area OFFICIAL [5]

WHAT FAILS OFFICIAL [5]

Toyota has issued bulletins for oil seeping between the oil pan and the crankcase stiffener, and from where the cam cover meets the timing chain cover. The fix is a reseal.

SYMPTOMS

- Oil spots under the car
- Oil film on the lower engine

IF IT'S LEFT TOO LONG

A slow leak lowers the oil level between changes.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Reseal when it is an active leak; under warranty if still covered.

ESTIMATED REPAIR COST

Labor only, 2.1–2.2 h Toyota warranty time	**Our price is in the plan above** ask us for a written quote
Labor only, 2.1–2.2 h Toyota warranty time	**$210–$350** OUR ESTIMATE [5][8] labor only, parts extra

Where the numbers come from: Estimate: Toyota warranty labor time of 2.1–2.2 h (bulletin [5]) × $100–$160/h independent-shop labor rate [8]. Parts are extra unless stated; check the VIN for open warranty coverage first.

PARTS FOR XA50

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

QUESTIONS TO ASK US

- Any oil spots on the driveway?

5 · ALSO REPORTED, NOT RANKED

Other themes in 2.5L A25A-FKS 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
Transmission	480	Counts every transmission complaint (shifting, hesitation); not an engine fault.
Stalling / loss of power	314	Includes the low-pressure fuel pump recalls 20V-012 / 20V-682 on some 2018–2020 cars; check they are done.

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 28, 2026 from NHTSA's complaints API for 2018–2025 Camry complaints that do not mention a V6 or hybrid, and 2019–2025 RAV4 complaints that do not mention a hybrid or Prime, plus all 2021–2025 Lexus ES 250 and 2022–2025 NX 250 complaints. The 2024 NX 250 file holds every 2024 NX complaint, so for that year only complaints that name the NX 250, 2.5L or four-cylinder are kept: 4,000 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
Transmission	480	Also reported
Stalling / loss of power	314	Also reported
Coolant leak / overheating	134	Item 3
Fuel smell / fuel pump	123	Item 2
Oil leak	10	Item 4

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 2018–2025 Camry (2.5L four) and 2019–2025 RAV4 (non-hybrid), 2021–2025 Lexus ES 250 and 2022–2025 NX 250, pulled Oct 28, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Toyota T-SB-0104-21 Rev2: MIL ON with low oil pressure DTCs and milky/discolored engine oil in freezing temperatures (2021-12-17), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2024/MC-10252251-9999.pdf

3. Toyota Customer Support Program 23TE01: Coverage for high-pressure fuel pump, low-pressure fuel seepage (about 4.1 million vehicles) (2023-01-26), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2023/MC-10236191-9999.pdf

4. Toyota Customer Support Program 24TE04: Coverage for the coolant flow shut-off valve (about 2.4 million vehicles) (2026-08-11), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2026/MC-11037186-0001.pdf

5. Toyota T-SB-0096-24: Oil leak between oil pan sub-assembly and stiffening crankcase, 2023–2024 A25A (2024-10-15), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2024/MC-11010346-0001.pdf

6. Toyota Tech Tip T-TT-0733-23: MIL on P26CA14 / P26CA31, electric engine water pump, 2022–2024 A25A (2023-04-21), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2023/MC-10236209-9999.pdf

7. NHTSA recall records: 18V-200 (2018 Camry 2.5L oversize pistons) and 20V-064 (2019–2020 RAV4 and 2020 Camry 2.5L block casting porosity), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=20V064000

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

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

No warranty

Provided “as is”, without warranties of any kind, under the Terms of Use at repairahead.com/terms.

Trademarks and independence

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