SEA **Springfield Euro Auto** EXAMPLE SHOP
service@springfield-euro-auto.example

2020 Audi Q7 at 60,000 mi

WA1LXAF76LD123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Q7 · 4M Q7 55 TFSI quattro (3.0T)	Audi EA839 2.9 and 3.0 TFSI turbo V6	60,000 mi	AWD (quattro)
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.

1
inspection recommended now

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

4
to watch or check at each service

Safety recalls NHTSA lists for this model year (3 of 5)

- **22V-516** · Fuel pump: A part inside the fuel pump can break, so the pump fails and the engine stalls.
- **23V-212** · Front camera · windshield heater: The heater for the windshield-mounted front camera can overheat, a fire risk.
- **21V-078** · Air bags · passenger, control software: The second stage of the passenger air bag may fire too soon when an unbelted child is in the front seat.

A model-year list, not a VIN check. The full report lists the others. Repairs are free at an Audi dealer if open. Check this VIN at nhtsa.gov/recalls.

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask an Audi dealer for a campaign printout, including 22V-516. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service **$165**

Inspection: check now, while it's cheaper to fix — $165

inspection EXAMPLE

Coolant pump leak: Inside the range (52,000–73,000 mi, the middle half of 12 owner reports) · if it fails: $4,700–$6,900

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 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

Electric fuel pump (program AWA-22-05) — `Free if covered` check the VIN
Any mileage (15 years / 150,000 miles from in-service on certain 2018–2021 cars (Warranty Key U51)) · Ask for this check at every service

Oil leak from the cylinder head — **Ask us for a quote**
Any mileage (2018–2021 2.9 and 3.0 TFSI) · Inspect at each service; fix at the first sign

PCV hose check valve — **Ask us for a quote**
Any mileage (B9 S4/S5 3.0T (retailer report)) · Inspect at each service; fix at the first sign

A/C evaporator failure (2018–2021 S4, S5, Q7) — `Free if covered` check the VIN
Any mileage (2018–2021 S4 and S5, 2019–2021 Q7: A/C evaporator covered to 10 years / 100,000 miles) · Ask for this check at every service

Recommended now

$165

Springfield Euro Auto prices (example)

Planned through 90,000 mi

$643

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 Euro Auto'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 Euro Auto 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	OUR PRICE
Spark plugs Every 40,000 miles or 6 years.	every 40,000 mi or 6 years	**Was due at 40,000 mi and by age (check records)** [M3][M4]	**$329**
Brake fluid Audi: every 2 years regardless of mileage.	every 2 years	**By time: check the records** [M1][M4]	**$149**

M1. 2018 Audi Models USA Warranty & Maintenance booklet (Audi of America) OFFICIAL
https://ownersliterature.vw.com/owners-literature-service/v1/document/567e24ea-3c93-4d4f-aa4d-ba9adf4b896c

M2. 2019 Audi Maintenance Schedule - All Models, USA (NHTSA) OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2018/MC-10153168-9999.pdf

M3. 2020 Audi Maintenance Schedule - All Models, USA (NHTSA) OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2020/MC-10170253-0001.pdf

M4. 2021 Audi Maintenance Schedule - All Models, USA (NHTSA) OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2020/MC-10180343-0001.pdf

WHERE 60K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Coolant pump leak	52,000–73,000 mi (middle half of 12 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Inside the range
2	Electric fuel pump (program AWA-22-05)	15 years / 150,000 miles from in-service on certain 2018–2021 cars (Warranty Key U51) OFFICIAL	Any mileage
3	Oil leak from the cylinder head	2018–2021 2.9 and 3.0 TFSI OFFICIAL	Any mileage
4	PCV hose check valve	B9 S4/S5 3.0T (retailer report) SHOP/RETAILER	Any mileage
5	A/C evaporator failure (2018–2021 S4, S5, Q7)	2018–2021 S4 and S5, 2019–2021 Q7: A/C evaporator covered to 10 years / 100,000 miles 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 Audi Q7

Safety recall repairs are free at Audi 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 WA1LXAF76LD123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask an Audi dealer for a campaign printout; it also lists completed campaigns.

2.9/3.0 TFSI EA839 RECALLS WE TRACK

22V-516 · Fuel pump part can break and stall the engine (2019–2021 Q8, 2020–2021 Q7)

NHTSA lists this model and year: check by VIN

A component inside the fuel pump may break and the pump can fail, stalling the engine. Free repair. OFFICIAL [9]

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

EVERY RECALL NHTSA LISTS FOR THE 2020 AUDI Q7 (5)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
22V-516 2.9/3.0 TFSI EA839 tracked	Fuel pump	A part inside the fuel pump can break, so the pump fails and the engine stalls. Details
23V-212	Front camera · windshield heater	The heater for the windshield-mounted front camera can overheat, a fire risk. Details
21V-078	Air bags · passenger, control software	The second stage of the passenger air bag may fire too soon when an unbelted child is in the front seat. Details
25V-900	Rearview camera · software	The rearview camera image may not appear, reducing the view behind the car when reversing. Details
20V-658	Interior · C-pillar padding	The C-pillar padding may not absorb enough energy if an unbelted occupant hits it in a crash. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: Q7. 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

CAMPAIGN	WHAT IT SAYS	THIS CAR
Electric fuel pump extension (AWA-22-05)	15 years / 150,000 miles on the electric fuel pump for certain 2018–2021 S4, S5, SQ5, Q8, A8 and Q7 (Warranty Key U51). OFFICIAL [8]	Open: check by VIN

CAMPAIGN	WHAT IT SAYS	THIS CAR
Water pump class action (Larr v. Volkswagen Group of America)	Filed in New Jersey federal court over 2018–2024 EA839 models. No settlement or ruling yet. FORUM/BLOG [3]	Pending

4 · THE 5 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 (4M).

1 Coolant pump leak

Inside the range

Severity: Critical: rare, but can badly damage the engine · 40 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 60,000 mi this car is inside the reported range (52,000–73,000 mi (middle half of 12 owner complaints that state a mileage)), 8,000 miles past where reports start. Range: 52,000–73,000 mi (middle half of 12 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2018–2024 models covered by the Audi bulletin; often inside the warranty period

WHAT FAILS FORUM/BLOG [2][3][5]

The coolant pump can leak and drop the coolant level. Retailer guides say it often leaks internally, and coolant can be drawn into the engine vacuum system. A 2026 class action alleges early pump failures on 2018–2024 cars.

SYMPTOMS

- Coolant warning light
- Coolant level dropping with no visible drip
- "Drivetrain malfunction" message

IF IT'S LEFT TOO LONG

Running low on coolant can overheat the engine; coolant in the vacuum system can damage other parts.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Replace the pump at the first unexplained coolant loss; check warranty first.

ESTIMATED REPAIR COST

Water pump replacement, KBB fair range for a 2019 S4	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=14)	**$4,700–$6,900** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Computed from 14 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $5,760). Examples: ODI 11748361, 11766249, 11732057, 11744302. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR 4M

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

QUESTIONS TO ASK US

- Coolant pump replaced? Under warranty?
- Any coolant warnings?

2 Electric fuel pump (program AWA-22-05)

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 40 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (15 years / 150,000 miles from in-service on certain 2018–2021 cars (Warranty Key U51)), so mileage doesn't say much here. Range: 15 years / 150,000 miles from in-service on certain 2018–2021 cars (Warranty Key U51) OFFICIAL [8]

WHAT FAILS OFFICIAL [8][9]

Audi extended the warranty on the electric fuel pump of certain 2018–2021 S4, S5, SQ5, Q8, A8 and Q7. On some 2019–2021 Q8 and 2020–2021 Q7 a part inside the pump can break and stall the engine (recall 22V-516).

SYMPTOMS

- Stall or no start
- Long crank
- Loss of power

IF IT'S LEFT TOO LONG

A failed pump stalls the engine.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Free at an Audi dealer if the VIN shows Warranty Key U51; check recall 22V-516.

ESTIMATED REPAIR COST

Free under AWA-22-05 (15 yr / 150k)	**Free if covered** OFFICIAL [8] published independent-shop range
No published price outside the program	**No published price** reported range for the bill after a failure

PARTS FOR 4M

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

QUESTIONS TO ASK US

- Fuel pump replaced? Recall 22V-516 done?

---

3 Oil leak from the cylinder head

Any mileage

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

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2018–2021 2.9 and 3.0 TFSI), so mileage doesn't say much here. Range: 2018–2021 2.9 and 3.0 TFSI OFFICIAL [6]

WHAT FAILS OFFICIAL [6]

Audi has a bulletin for oil leaking from the cylinder head on the 2.9 and 3.0 TFSI.

SYMPTOMS

- Oil smell
- Wet oil on the cylinder head
- Oil spots under the car

IF IT'S LEFT TOO LONG

Oil on hot exhaust parts is a fire risk, and the level drops between changes.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix under warranty if covered; otherwise when the leak is active.

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 4M

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

QUESTIONS TO ASK US

- Any oil leak repairs?

4 PCV hose check valve

Any mileage

Severity: Medium: leaks and wear · 4 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (B9 S4/S5 3.0T (retailer report)), so mileage doesn't say much here. Range: B9 S4/S5 3.0T (retailer report) SHOP/RETAILER [10]

WHAT FAILS SHOP/RETAILER [10]

A parts retailer reports the check valve built into the PCV hose as a common failure on the B9 S4 and S5 3.0T.

SYMPTOMS

- Check-engine light
- Rough idle
- Whistle

IF IT'S LEFT TOO LONG

Can cause lean running and oil leaks.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Replace the hose when codes point to the crankcase ventilation.

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 4M

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

QUESTIONS TO ASK US

- PCV hose replaced?

5 A/C evaporator failure (2018–2021 S4, S5, Q7)

Any mileage

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

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2018–2021 S4 and S5, 2019–2021 Q7: A/C evaporator covered to 10 years / 100,000 miles), so mileage doesn't say much here. Range: 2018–2021 S4 and S5, 2019–2021 Q7: A/C evaporator covered to 10 years / 100,000 miles OFFICIAL [11]

Applies to: certain 2018–2021 S4 and S5 and 2019–2021 Q7 (warranty key U43). The bulletin names the Q5 but not the SQ5.

WHAT FAILS OFFICIAL [11]

The A/C evaporator behind the dashboard can fail, so the A/C stops cooling. Audi extended the warranty on the evaporator on certain S4, S5 and Q7 models through model year 2021 to 10 years or 100,000 miles from the original in-service date. The car must carry warranty key U43.

SYMPTOMS

ESTIMATED REPAIR COST

Free under AWA 21-01 (10 yr / 100k mi)	**Free if covered** OFFICIAL [11] published independent-shop range
No published bill outside the extension	**No published price** reported range for the bill after a failure

- A/C blows warm
- A/C needs recharging often

IF IT'S LEFT TOO LONG

No engine risk.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Free at an Audi dealer inside 10 years / 100,000 miles; ask the dealer to check the VIN for warranty key U43. The evaporator is a dashboard-out job, so check before paying.

Where the numbers come from: Free under Audi warranty extension AWA 21-01 inside 10 years / 100,000 miles from the in-service date on cars with warranty key U43 [11]. No published bill for a car outside the extension.

PARTS FOR 4M

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

QUESTIONS TO ASK US

- A/C ever recharged or repaired?

5 · ALSO REPORTED, NOT RANKED

Other themes in 2.9/3.0 TFSI EA839 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
Turbo	24	Turbo complaints are few and mixed; the class action alleges coolant pump failure can affect the turbos, not proven.

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/Audi 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 S4, S5, SQ5, RS 5 and Q8 complaints for these years; A6 and Q7 complaints only when they name the 3.0, V6 or 55; A8L leaving out V8 and hybrid; Porsche Cayenne S, Panamera 4/4S and Macan S/GTS complaints, plus base Cayenne, Panamera and Macan complaints that name the 3.0, 2.9 or V6. Shared nameplates under-count. The 2020 Cayenne S / Coupe S files hold every 2020 Cayenne complaint, so for that year only complaints that name the S, 2.9, 3.0 or V6 are kept: 415 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
Coolant pump / coolant loss	40	Item 1
Fuel pump / stalling	40	Item 2
Turbo	24	Also reported
PCV	4	Item 4
Oil leak	2	Item 3
Low coolant warning with full tank	1	—

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 S4, S5, SQ5, RS 5, and 3.0T A6, A7, A8L, Q7 and Q8 (2019 on), pulled Oct 27, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Audi TSB 2070349: Loss of coolant from the coolant pump, V6 TFSI (2023-12-12), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2023/MC-10247198-0001.pdf

3. Carscoops: class action says Audi EA839 V6 water pumps fail early, 2018–2024 models (May 2026) `FORUM/BLOG`
https://www.carscoops.com/2026/05/audi-ea839-water-pump-lawsuit/

4. Kelley Blue Book: 2019 Audi S4 water pump replacement, fair repair range for ZIP 49601, via search extract Oct 27, 2026 `SHOP/RETAILER`
https://www.kbb.com/audi/s4/2019/water-pump-replacement/

5. NGP Racing: EA839 2.9T/3.0T water pump failure guide (parts retailer) FORUM/BLOG
https://store.ngpracing.com/blogs/guides/audi-b9-b9-5-s4-s5-rs5-sq5-ea839-2-9t-3-0t-water-pump-failure-guide

6. Audi TSB 2053278: Oil leak from the cylinder head, 2.9 and 3.0 TFSI (2023-07-14), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2023/MC-10239680-0001.pdf

7. Audi TSB 2061918: Low coolant light on while the coolant level is within specification (2024-03-12), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2024/MC-10251621-0001.pdf

8. Audi AWA-22-05: Electric fuel pump extended warranty, 15 yr / 150k (Warranty Key U51), certain 2018–2021 S4, S5, SQ5, 2019–2021 Q8, A8, 2020–2021 Q7 (2022-04-28), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2022/MC-10210762-0001.pdf

9. NHTSA recall records: 22V-516 (2019–2021 Q8 and 2020–2021 Q7 fuel pump), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=22V516000

10. FCP Euro: EA839 engine parts and common failures (PCV hose check valve, oil filter housing) SHOP/RETAILER
https://www.fcpeuro.com/Audi-parts/ea839-engine

11. Audi AWA 21-01: A/C evaporator limited warranty extension (warranty key U43), A4 / S4 and Q7 from model year 2017 and A5 / S5 and Q5 from model year 2018 (NHTSA lists 2017–2021): 10 years / 100,000 miles from the in-service date (2021-02-12), filed with NHTSA, read Nov 10, 2026 OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2021/MC-10187510-0001.pdf

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

No warranty

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