2023 Jeep Grand Wagoneer at 45,000 mi

1C4SJVGJ9PS123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Grand Wagoneer · WS Grand Wagoneer Series II 3.0 Hurricane HO 4x4	Stellantis 3.0L Hurricane twin-turbo inline-six (GME-T6, Standard Output and High Output)	45,000 mi	4WD
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 'P' = 2023, 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.

0	0	3
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 (4 of 8)

- **26V-584** · Body · roof rack crossbar bolts: Roof rack crossbars can come loose and fall off, a road hazard.
- **24V-199** · Air bags · steering column control module: The driver air bag may not deploy in a crash.
- **23V-716** · Seat belts · third-row buckles: Third-row occupants may not be able to fasten their seat belts.
- **23V-545** · Air bags · B-pillar trim and side curtain air bag: Loose B-pillar trim can get in the way of the side curtain air bag in a crash.

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

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

Recommended now at the next service

Good news: nothing on the 3.0L Hurricane twin-turbo I6 watch list is due at this mileage. Worth a fresh look at about 55,000 mi.

Next 12 months up to about 57,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 75,000 mi

Nothing else enters its reported range in this window.

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

Thermostat sticks closed (overheating) — `Free if covered` check the VIN

Any mileage (2022–2024 Wagoneer / Grand Wagoneer with the 3.0L (CSN 26B, TSB 09-006-25)) · Ask for this check at every service

Intake camshaft lobe and rocker arm wear — **No published price**

Any mileage (Typically 10,000–60,000 miles per FCA STAR case) · Inspect at each service; fix at the first sign

Water pump and coolant leaks — **$1,030–$1,138** independent shop, installed

Any mileage (FCA updated its water pump inspection procedure in 2026) · Inspect at each service; fix at the first sign

Recommended now

No repairs due now

Independent shop, installed. Dealers often charge more.

Planned through 75,000 mi

No repairs planned

Now + next 12 months + next 30,000 miles. Excludes “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

The maker's maintenance schedule isn't on this report

This report doesn't include the maker's scheduled maintenance for this car yet, so brake fluid, spark plugs, coolant and transmission fluid aren't listed even when they're due. Check the service records and the maker's schedule for this car.

WHERE 45K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Thermostat sticks closed (overheating)	2022–2024 Wagoneer / Grand Wagoneer with the 3.0L (CSN 26B, TSB 09-006-25) OFFICIAL	Any mileage
2	Intake camshaft lobe and rocker arm wear	Typically 10,000–60,000 miles per FCA STAR case OFFICIAL	Any mileage
3	Water pump and coolant leaks	Any mileage; FCA updated its water pump inspection procedure in 2026 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 2023 Jeep Grand Wagoneer

Safety recall repairs are free at Jeep 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 1C4SJVGJ9PS123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Jeep dealer for a campaign printout; it also lists completed campaigns.

3.0L HURRICANE TWIN-TURBO I6 RECALLS WE TRACK

NHTSA lists no engine-specific recall campaign for the 3.0L Hurricane twin-turbo I6 as of 2026-10-27. Recalls on the rest of the car are in the model-year list below.

EVERY RECALL NHTSA LISTS FOR THE 2023 JEEP GRAND WAGONEER (8)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
26V-584	Body · roof rack crossbar bolts	Roof rack crossbars can come loose and fall off, a road hazard. Details
24V-199	Air bags · steering column control module	The driver air bag may not deploy in a crash. Details
23V-716	Seat belts · third-row buckles	Third-row occupants may not be able to fasten their seat belts. Details
23V-545	Air bags · B-pillar trim and side curtain air bag	Loose B-pillar trim can get in the way of the side curtain air bag in a crash. Details
25V-642	Body · rear quarter window trim	The quarter window trim can come off while driving, a road hazard. Details
25V-593	Body · door trim	Door trim can come off while driving, a road hazard. Details
24V-436	Rear camera · radio software	The rearview camera image may not show, reducing rear visibility. Details
23V-577	Rear camera · park assist module software	The rearview camera image may not show in Reverse, reducing rear visibility. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: GRAND WAGONEER. 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 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 (WS). Left out because they apply to other models, years, engine sizes or body codes: Purge valve hose comes off (misfire, hard start).

1 Thermostat sticks closed (overheating)

Any mileage

Severity: Critical: rare, but can badly damage the engine · 52 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2022–2024 Wagoneer / Grand Wagoneer with the 3.0L (CSN 26B, TSB 09-006-25)), so mileage doesn't say much here. Range: 2022–2024 Wagoneer / Grand Wagoneer with the 3.0L (CSN 26B, TSB 09-006-25) OFFICIAL [2][3]

WHAT FAILS OFFICIAL [2][3]

The thermostat ball-valve drive pin can fail from contamination and leave the thermostat stuck closed. Coolant then cannot reach the radiator and the engine overheats; the car runs at reduced power with an "Engine Overheated" message. FCA replaces the thermostat under customer satisfaction notification 26B.

SYMPTOMS

- "Engine Overheated" message
- Temperature gauge climbing on the highway
- Reduced power

IF IT'S LEFT TOO LONG

Driving on after an overheat warning can wreck the engine; owners report engine replacements.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Yes. Check the VIN for CSN 26B and have it done before buying.

ESTIMATED REPAIR COST

Free under CSN 26B	**Free if covered** OFFICIAL [2] independent shop, installed
Labor only, 2.5–3.1 h FCA warranty time plus a thermostat	**$250–$500** OUR ESTIMATE [3][9] labor only, parts extra
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

Where the numbers come from: Estimate: FCA warranty labor time of 2.5–3.1 h (bulletin [3]) × $100–$160/h independent-shop labor rate [9]. Parts are extra unless stated; check the VIN for open warranty coverage first. Free when the VIN is in CSN 26B.

PARTS FOR WS

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

WHAT TO ASK YOUR SHOP

- CSN 26B thermostat done?
- Any overheat messages?

2 Intake camshaft lobe and rocker arm wear

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 17 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Typically 10,000–60,000 miles per FCA STAR case), so mileage doesn't say much here. Range: Typically 10,000–60,000 miles per FCA STAR case OFFICIAL [4]

WHAT FAILS OFFICIAL [4]

The high-lift lobes on the intake camshaft and the matching rocker-arm sliders can wear, causing misfires, a rough idle and valvetrain noise. FCA says to confirm the wear under the valve cover and use a camshaft-and-rocker service kit rather than replacing the engine.

SYMPTOMS

- Misfire codes
- Rough idle
- Ticking or valvetrain noise

IF IT'S LEFT TOO LONG

Worn lobes keep getting worse and can lead to engine replacement if ignored.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Diagnose any misfire or new tick early, while the engine is still under warranty.

ESTIMATED REPAIR COST

No published price for diagnosis	**No published price** independent shop, installed
Camshaft replacement, 2023 Grand Wagoneer (RepairPal)	**$2,903–$4,123** SHOP/RETAILER [7] reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR WS

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

WHAT TO ASK YOUR SHOP

- Any misfire codes or tick?
- Camshaft or rockers replaced under warranty?

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3 Water pump and coolant leaks

Any mileage

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

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Any mileage; FCA updated its water pump inspection procedure in 2026), so mileage doesn't say much here. Range: Any mileage; FCA updated its water pump inspection procedure in 2026 OFFICIAL [6]

WHAT FAILS OFFICIAL [6][1]

FCA told dealers to follow an updated water pump inspection procedure on the 3.0L to confirm a leak is still there before replacing the pump. Owners also report coolant leaks and overheating.

SYMPTOMS

- Coolant smell
- Coolant level dropping
- Drips at the front of the engine

IF IT'S LEFT TOO LONG

Coolant loss can overheat the engine.

IS IT WORTH DOING EARLY? OUR ESTIMATE

ESTIMATED REPAIR COST

Water pump replacement, 2023 Wagoneer (KBB, one ZIP)	**$1,030–$1,138** SHOP/RETAILER [8] independent shop, installed
Same job; overheating damage costs more	**$1,030–$1,138** SHOP/RETAILER [8] reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

Find the real leak point first; replace the pump only if it leaks.

1.0× The failure-bill midpoint ($1,084) is about 1.0× the early-fix midpoint ($1,084). A cost ratio, not a probability.

PARTS FOR WS

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

WHAT TO ASK YOUR SHOP

- Any coolant top-ups?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.0L Hurricane twin-turbo I6 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
Electrical / start-stop	141	Battery, start-stop and module faults; not engine-internal.
Stalling / loss of power	53	Mixed causes: overheating derates, start-stop and electrical faults, and transmission messages.
Engine failure	10	Several owners report engine replacements, often after overheating; FCA also has CSN 47B for an oil pump spring on 44 vehicles. Check the VIN for open campaigns.

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

- Coolant temperature on a highway drive
- Misfire counters and valvetrain noise
- Coolant level and leaks

Ask the seller

- CSN 26B thermostat done?
- CSN 90C purge hose done (2025–2026)?
- Any engine or camshaft work under warranty?

Documents to request

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

WHAT A BUYER MAY DEDUCT

FINDING	ESTIMATED ADJUSTMENT
Thermostat sticks closed (overheating): fault found on inspection	$250–$500 + parts
Intake camshaft lobe and rocker arm wear: symptoms or fault codes present	No published price
Water pump and coolant leaks: seeping or leaking	$1,030–$1,138
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/Stellantis 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 2023–2024 Wagoneer and Grand Wagoneer complaints (including L) that do not mention a V8, all 2025 Wagoneer and Grand Wagoneer complaints, and 2025 Ram 1500 complaints that do not mention a HEMI, eTorque or electric model: 441 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. Only about 440 complaints; the engine is new. Some 2023–2024 complaints may come from Wagoneers with the 5.7L or 6.4L V8 whose owners did not name the engine. `COMPUTED FROM NHTSA DATA`

THEME	COMPLAINTS	IN THIS REPORT
Electrical / start-stop	141	Also reported
Stalling / loss of power	53	Also reported
Overheating / thermostat	52	Item 1
Misfire / valvetrain	17	Item 2
Engine failure	10	Also reported
Coolant leak / water pump	2	Item 3
Purge / EVAP	0	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 2023–2024 Wagoneer, Grand Wagoneer and L models that do not mention a V8, all 2025 Wagoneer and Grand Wagoneer, and 2025 Ram 1500 complaints that do not mention a HEMI, eTorque or electric model, pulled Oct 27, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. FCA US Customer Satisfaction Notification 26B: Thermostat: the ball-valve drive pin can fail from contamination and stick the thermostat closed, which may overheat the engine (2022–2024 Wagoneer / Grand Wagoneer, 3.0L) (2025-04-02), filed with NHTSA `OFFICIAL`
https://static.nhtsa.gov/odi/tsbs/2025/MC-11016726-0001.pdf

3. FCA US TSB 09-006-25 Rev. A (RSU 25-047): Engine overheating with "Engine Overheated" message: replace the engine thermostat (2022–2024 Wagoneer / Grand Wagoneer, 3.0L Hurricane) (2025-10-07), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2025/MC-11024296-0001.pdf

4. FCA US STAR case S2509000004: Misfire codes, rough idle, valvetrain noise: worn intake camshaft high-lift lobes and rocker arm sliders, typically 10,000–60,000 miles; use the cam/rocker service kit instead of a long block (2025-04-02), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2025/MC-11016439-0001.pdf

5. FCA US Customer Satisfaction Notification 90C: Purge valve hose may disconnect: misfire, rough running, hard starting (2025–2026 Wagoneer / Grand Wagoneer and Ram 1500, 3.0L HO) (2026-06-27), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2026/MC-11034383-0001.pdf

6. FCA US Parts note 9100789: 3.0L SO/HO water pump: follow the updated water pump inspection procedure to confirm the leak before replacing the pump (2026-03-26), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2026/MC-11030426-0001.pdf

7. RepairPal: 2023 Jeep Grand Wagoneer repair costs (camshaft replacement $2,903–$4,123), via search extract Oct 27, 2026 SHOP/RETAILER
https://www.repairpal.com/cars/jeep/grand-wagoneer/2023

8. Kelley Blue Book: 2023 Jeep Wagoneer water pump replacement, fair repair range $1,030–$1,138 (one ZIP; engine not specified), via search extract Oct 27, 2026 SHOP/RETAILER
https://www.kbb.com/jeep/wagoneer/2023/water-pump-replacement

9. 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

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 Jeep dealer or qualified shop. Safety recall repairs are free at Jeep 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.

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Wrong input (VIN, mileage, build date)? Email hello@repairahead.com with report ID RA-FCHUR-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.