2013 Audi Q7 TDI at 100,000 mi

WA1VMAFE4DD123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Q7 TDI · 4L Q7 3.0 TDI quattro	Audi / Volkswagen 3.0L TDI V6 diesel	100,000 mi	AWD
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 'D' = 2013, 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	2
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 (1 of 2)

- **14V-516** · Brakes · brake booster (oil from check valve): Engine oil can leak into the brake booster and rupture its diaphragm, so power brake assist is lost. Only 3.0 TDI Q7s built June 5 to November 29, 2012 are affected.

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 14V-516. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service

Good news: nothing on the 3.0 TDI V6 watch list is due at this mileage. Worth a fresh look at about 110,000 mi.

Next 12 months up to about 112,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 130,000 mi

Nothing else enters its reported range in this window.

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

Emissions modification and its extended warranty — `Free if covered` check the VIN

Any mileage (Greater of 10 yr / 120,000 mi from in-service, or 4 yr / 48,000 mi from the modification) · Ask for this check at every service

High-pressure fuel pump failure (metal in the fuel system) — **No published price**

Any mileage (10 yr / 120,000 mi extension on 2009–2012 Touareg TDI has ended) · Inspect at each service; fix at the first sign

Recommended now

No repairs due now

Independent shop, installed. Dealers often charge more.

Planned through 130,000 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 100K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Emissions modification and its extended warranty	Greater of 10 yr / 120,000 mi from in-service, or 4 yr / 48,000 mi from the modification `OFFICIAL`	Any mileage
2	High-pressure fuel pump failure (metal in the fuel system)	Any mileage; 10 yr / 120,000 mi extension on 2009–2012 Touareg TDI has ended `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 2013 Audi Q7 TDI

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 WA1VMAFE4DD123456.
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.

3.0 TDI V6 RECALLS WE TRACK

14V-516 · Engine oil can leak into the brake booster (2013 Q7 3.0 TDI)

NHTSA lists this model and year: check by VIN

A check valve in the engine may be contaminated with plastic debris and let engine oil leak into the brake booster, reducing braking assist. Free repair. OFFICIAL [10]

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

EVERY RECALL NHTSA LISTS FOR THE 2013 AUDI Q7 TDI (2)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
14V-516 3.0 TDI V6 tracked	Brakes · brake booster (oil from check valve)	Engine oil can leak into the brake booster and rupture its diaphragm, so power brake assist is lost. Only 3.0 TDI Q7s built June 5 to November 29, 2012 are affected. Details
23V-086	Certification label · axle weight rating	The axle weight rating on the label is wrong, so the vehicle could be overloaded. 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

Left out of this list (Q7): 17V-298 (fuel pump flange) covers gasoline Q7s only and is left out of this 3.0 TDI sample; a VIN check would show it if it applied.

SERVICE ACTIONS, BULLETINS AND WARRANTY PROGRAMS

CAMPAIGN	WHAT IT SAYS	THIS CAR
Extended Emissions Warranty (AWA-17-12, AWA-18-01)	For modified 3.0L TDI vehicles: the greater of 10 yr / 120,000 mi from in-service or 4 yr / 48,000 mi from the modification; emission control system and engine long block. OFFICIAL [2]	May apply: check by VIN
High-pressure fuel pump extension (Touareg TDI)	10 yr / 120,000 mi on the pump for 2009–2012 Touareg TDI, with correct fuel only. Ended for most cars. OFFICIAL [4]	Expired

4 · THE 2 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 (4L). Left out because they apply to other models, years, engine sizes or body codes: Pressure-sensing glow plug faults; EGR slow response (software).

1 Emissions modification and its extended warranty

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 16 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Greater of 10 yr / 120,000 mi from in-service, or 4 yr / 48,000 mi from the modification), so mileage doesn't say much here. Range: Greater of 10 yr / 120,000 mi from in-service, or 4 yr / 48,000 mi from the modification OFFICIAL [2][3]

WHAT FAILS OFFICIAL [2][3]

Under the 3.0L TDI settlement, Audi and Volkswagen modified these engines' emissions systems. Modified cars got an Extended Emissions Warranty with two parts: an emission control system warranty (parts replaced in the modification and parts it can affect, including the OBD system) and an engine long-block warranty.

SYMPTOMS

- Check-engine light after the modification
- AdBlue warnings
- More frequent DPF regenerations

IF IT'S LEFT TOO LONG

An unmodified car may not register in some states; out of coverage, after-treatment repairs are costly.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Confirm by VIN that the modification was done and whether any coverage remains.

ESTIMATED REPAIR COST

Covered while inside the Extended Emissions Warranty (check by VIN)	**Free if covered** OFFICIAL [2][3] independent shop, installed
No published bill outside the program	**No published price** reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR 4L

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

WHAT TO ASK YOUR SHOP

- Was the emissions modification done? When and at what mileage?

2 High-pressure fuel pump failure (metal in the fuel system)

Any mileage

Severity: Critical: rare, but can badly damage the engine · 35 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Any mileage; 10 yr / 120,000 mi extension on 2009–2012 Touareg TDI has ended), so mileage doesn't say much here. Range: Any mileage; 10 yr / 120,000 mi extension on 2009–2012 Touareg TDI has ended OFFICIAL [4][5]

WHAT FAILS FORUM/BLOG [4][5][6]

The high-pressure fuel pump can wear and shed metal particles into the fuel rails and injectors. Audi tells technicians to check for metal when there is a no-start or rough running with no other cause. Volkswagen extended the pump warranty on 2009–2012 Touareg TDIs, but only with correct, uncontaminated fuel.

SYMPTOMS

- Sudden stall or no-start
- Low rail pressure codes (P0087)
- Rough running

IF IT'S LEFT TOO LONG

Metal debris ruins injectors and lines; the whole high-pressure system may need replacing.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Use only clean ULSD; replace the fuel filter on time; check any remaining emissions-warranty coverage.

ESTIMATED REPAIR COST

No early fix; fuel filter on schedule	**No published price** independent shop, installed
One owner-reported dealer quote after pump failure (2013 Q7 TDI)	**$9,000** FORUM/BLOG [6] reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR 4L

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

WHAT TO ASK YOUR SHOP

- High-pressure pump or injectors ever replaced?
- Any no-start or stall history?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.0 TDI V6 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
Stalling / loss of power	34	Mostly the high-pressure fuel system or limp mode from emissions faults.

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

- Emissions modification label and VIN campaigns
- Fuel filter housing for metal
- Glow plug and EGR codes

Ask the seller

- Emissions modification done? When?
- High-pressure pump or injectors replaced?

Documents to request

- Dealer service-history printout for the VIN (shows campaigns and extended-warranty repairs)
- nhtsa.gov/recalls screenshot

WHAT A BUYER MAY DEDUCT

FINDING	ESTIMATED ADJUSTMENT
Emissions modification and its extended warranty: fault found on inspection	No published price
High-pressure fuel pump failure (metal in the fuel system): symptoms or fault codes present	No published price
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

7 · METHOD AND SOURCES

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/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 Touareg, Q7, A6, A7, A8 and Q5 complaints for the listed years that name the TDI or diesel: 91 complaints. Some of these nameplates were sold with other engines too; for those we kept only complaints whose text names this engine, which under-counts. Themes are keyword matches on the complaint text. Few NHTSA complaints name this engine; most weak points come from Audi and Volkswagen bulletins.
COMPUTED FROM NHTSA DATA

THEME	COMPLAINTS	IN THIS REPORT
Fuel pump / no start	35	Item 2
Stalling / loss of power	34	Also reported
Emissions fix / dieselgate	16	Item 1
Glow plug	11	Other years or engine sizes
EGR / DPF	6	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 2009–2016 Touareg TDI, 2009–2015 Q7 TDI and 2014–2016 A6, A7, A8 and Q5 TDI (complaints that name the TDI or diesel), pulled Oct 27, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Audi AWA-17-12: "Extended Emissions Warranty" limited warranty extension for 3.0L TDI Gen 2.1 SUV (engine code CNRB) (2018-06-18), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2018/MC-10192860-9999.pdf

3. Audi AWA-18-01: "Extended Emissions Warranty" limited warranty extension for 3.0L TDI Gen 2 passenger cars (A6, A7, A8, Q5; CPNA/CPNB) (2018-06-18), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2018/MC-10144659-9999.pdf

4. Volkswagen Customer letter (SB-48326): Warranty extension for the high-pressure fuel pump, 2009–2012 Touareg TDI and 2012 Passat TDI: 10 yr / 120,000 mi (2015-11-24), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2015/CSC-10058792-7541.pdf

5. Audi TSB 01 14 75: MIL on, no start or rough running on common-rail diesels: check for metallic particles from the high-pressure pump (2014-03-20), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2014/MC-10122282-9999.pdf

6. AudiWorld forum: 2013 Q7 TDI high-pressure fuel pump failure (owner reports a $9,000 dealer quote after metal spread through the fuel system), via search extract Oct 27, 2026 FORUM/BLOG
https://audiworld.com/forums/q7-discussion-112/2013-q7-tdi-high-pressure-fuel-pump-failure-2995137

7. Audi TSB 01 15 42: DTCs stored; soot buildup on the moveable elements of the pressure-sensing glow plug (PSG) (2015-09-03), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2015/MC-10123760-9999.pdf

8. Go-Parts guide: P3000 glow plug warning on the 2009–2015 Audi Q7 3.0L TDI (shop labor $300–$900; parts extra), via search extract Oct 27, 2026 SHOP/RETAILER
https://www.go-parts.com/garage/obd-p3000-audi-q7-2009-2015-3-0l-v6

9. Audi TSB 01 16 91: Software update to correct EGR slow response in the engine control module (3.0 TDI) (2016-12-01), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2016/MC-10117516-9999.pdf

10. NHTSA recall records: 14V-516 (2013 Q7 3.0L TDI check valve / oil into brake booster), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=14V516000

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 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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