2021 Chevrolet Silverado 2500HD at 45,000 mi

1GC4YNE79MF123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Silverado 2500HD · Silverado 2500HD Crew Cab 6.6L gas 4WD	GM 6.6L gas V8 (L8T)	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 'M' = 2021, 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 (5)

- **24V-060** · Latches/locks/linkages · power tailgate release switch: An unlatched tailgate may open while driving and result in a loss of unsecured cargo, creating a road hazard and increasing the risk of a crash.
- **21V-758** · Service brakes · brake pressure modulator valve: Water in the brake pressure modulator valve may cause a short circuit, a fire risk, and can affect braking.
- **21V-578** · Tires · spare tire with accessory road tires (ABS): An ABS system that cannot control the rear wheels independently increases the risk of a crash.
- **20V-811** · Seat belts: If a seat belt assembly is not properly attached to the vehicle, the seat belt may not properly restrain an occupant in the event of a crash, increasing the risk of injury.
- **20V-792** · Seat belts: If a seat-belt bracket is not secured, the seat belt may not properly restrain an occupant in the front-row center seat position, increasing the risk of injury in a crash.

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

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask a Chevrolet 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 6.6L gas V8 (L8T) 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

Broken valve spring (misfire, noise) — **No published price**
Any mileage (2020–2021 trucks built July to December 2020 in the GM bulletin) · Inspect at each service; fix at the first sign

Wrong oil filter can damage the engine — **No published price**
Any mileage (Every oil change) · Ask for this check at every service

Oil consumption, mostly when towing — **No published price**
Any mileage (Reported on trucks and vans that tow or work hard) · 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	Broken valve spring (misfire, noise)	2020–2021 trucks built July to December 2020 in the GM bulletin OFFICIAL	Any mileage
2	Wrong oil filter can damage the engine	Every oil change OFFICIAL	Any mileage
3	Oil consumption, mostly when towing	Reported on trucks and vans that tow or work hard FORUM/BLOG	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 2021 Chevrolet Silverado 2500HD

Safety recall repairs are free at Chevrolet 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 1GC4YNE79MF123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Chevrolet dealer for a campaign printout; it also lists completed campaigns.

6.6L GAS V8 (L8T) RECALLS WE TRACK

Other 6.6L gas V8 (L8T) recalls we track, not listed by NHTSA for this model and year: 24V-839 (transmission software error (2022–2023 Express and Savana)).

EVERY RECALL NHTSA LISTS FOR THE 2021 CHEVROLET SILVERADO 2500HD (5)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
24V-060	Latches/locks/linkages · power tailgate release switch	An unlatched tailgate may open while driving and result in a loss of unsecured cargo, creating a road hazard and increasing the risk of a crash. Details
21V-758	Service brakes · brake pressure modulator valve	Water in the brake pressure modulator valve may cause a short circuit, a fire risk, and can affect braking. Details
21V-578	Tires · spare tire with accessory road tires (ABS)	An ABS system that cannot control the rear wheels independently increases the risk of a crash. Details
20V-811	Seat belts	If a seat belt assembly is not properly attached to the vehicle, the seat belt may not properly restrain an occupant in the event of a crash, increasing the risk of injury. Details
20V-792	Seat belts	If a seat-belt bracket is not secured, the seat belt may not properly restrain an occupant in the front-row center seat position, increasing the risk of injury in a crash. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: SILVERADO 2500. 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 (SILVERADO 2500): One listing is left out of this gas-engine sample: 24V-797 (transmission control valve on diesel trucks only). A VIN check would show it if it applied.

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 (T1XX-HD). Left out because they apply to other models, years, engine sizes or body codes: Dual-tank fuel transfer stall (recall, 2025–2026 3500).

1 Broken valve spring (misfire, noise)

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 0 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2020–2021 trucks built July to December 2020 in the GM bulletin), so mileage doesn't say much here. Range: 2020–2021 trucks built July to December 2020 in the GM bulletin OFFICIAL [2]

WHAT FAILS OFFICIAL [2]

GM's bulletin says a broken valve spring can cause a misfire, engine noise and the service engine light on some 2020–2021 trucks with the L8T. If there is no cylinder leakage, the dealer replaces the broken spring. If there is leakage, the engine is checked for further damage.

SYMPTOMS

- Misfire or rough running
- Engine noise
- Check-engine light, P0300

IF IT'S LEFT TOO LONG

A broken spring can let a valve hit the piston and damage the engine.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Have any new misfire or noise checked right away, under warranty if possible.

ESTIMATED REPAIR COST

No published price	**No published price** independent shop, installed
No published bill	**No published price** reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR T1XX-HD

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

WHAT TO ASK YOUR SHOP

- Any misfire codes or engine noise?
- Valve springs or engine replaced under warranty?

2 Wrong oil filter can damage the engine

Any mileage

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

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Every oil change), so mileage doesn't say much here. Range: Every oil change OFFICIAL [3]

WHAT FAILS OFFICIAL [3]

ESTIMATED REPAIR COST

GM's bulletin, which lists the L8T, says these engines need an oil filter with a 22 psi bypass valve. A filter with a 15 psi or lower bypass valve lets debris circulate and may cause bearing damage and early engine failure.

SYMPTOMS

- No warning signs

IF IT'S LEFT TOO LONG

Debris in the oil can wear the bearings.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Yes. Ask which filter is used at each oil change.

No published price (part of a normal oil change)	**No published price** independent shop, installed
No published price (engine damage)	**No published price** reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR T1XX-HD

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

WHAT TO ASK YOUR SHOP

- Which oil filter was used?

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3 Oil consumption, mostly when towing

Any mileage

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

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Reported on trucks and vans that tow or work hard), so mileage doesn't say much here. Range: Reported on trucks and vans that tow or work hard FORUM/BLOG [5][6]

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

Owners in forum threads and an engine guide report that some L8T engines use oil, mostly when towing. The cause is not agreed. GM's general bulletin explains how dealers test oil use.

SYMPTOMS

- Oil level drops between changes
- Low oil warning

IF IT'S LEFT TOO LONG

Running low on oil can damage the engine.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the oil level often, especially when towing.

ESTIMATED REPAIR COST

No published price	**No published price** independent shop, installed
No published price	**No published price** reported range for the bill after a failure
Dealer	**Often 1.5–2× the independent-shop price** OUR ESTIMATE

PARTS FOR T1XX-HD

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

WHAT TO ASK YOUR SHOP

- How much oil between changes?
- Does it tow?

5 · ALSO REPORTED, NOT RANKED

Other themes in 6.6L gas V8 (L8T) 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	16	Counts every transmission complaint (10-speed and 8-speed automatics; see recalls 24V-797 and 24V-839); not an engine fault.

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

- Scan for misfire codes
- Oil level and leaks
- Open recalls

Ask the seller

- Which oil filter is used?
- How much oil between changes?
- Valve springs replaced?

Documents to request

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

WHAT A BUYER MAY DEDUCT

FINDING	ESTIMATED ADJUSTMENT
Broken valve spring (misfire, noise): symptoms or fault codes present	No published price
Wrong oil filter can damage the engine: fault found on inspection	No published price
Oil consumption, mostly when towing: 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/GM 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 Silverado and Sierra 2500/3500 complaints that mention the gas engine, plus Express and Savana complaints that mention the 6.6L or V8: 42 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. Only 42 complaints: most owners do not name the gas engine. GM bulletins found are mostly general; no extended coverage for this engine was found.
COMPUTED FROM NHTSA DATA

THEME	COMPLAINTS IN THIS REPORT	
Transmission	16	Also reported
Stalling / fuel	7	—
Engine failure	1	—
Misfire / valvetrain	0	Item 1
Oil consumption	0	Item 3

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 2020–2025 Silverado and Sierra 2500/3500 complaints that mention the gas engine, plus 2020–2025 Express and Savana complaints that mention the 6.6L or V8, pulled Oct 27, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. GM PIP5752M: Service engine light, misfire and engine noise with P0300, P0106 or P0506: possible broken valve spring (2020–2021 Silverado and Sierra with the 6.6L L8T among others, built July 1 to Dec 16, 2020) (2021-06-01), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2021/MC-10201265-9999.pdf

3. GM Service bulletin 17-NA-157: Spin-on oil filter replacement for gas engines with new oil pump controls (lists RPO L8T): a filter with a bypass valve of 15 psi or less lets debris circulate and may cause premature engine failure (2024-07-17), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2024/MC-11005339-0001.pdf

4. GM Service bulletin 01-06-01-011Q: Engine oil consumption guidelines and diagnosis (all GM gas engines, including 2024–2025 HD trucks) (2024-10-04), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2024/MC-11010490-0001.pdf

5. Chevrolet Forum: Oil consumption on the new 6.6L V8? Owner feedback thread (Express/Savana), via search extract Oct 27, 2026 FORUM/BLOG
https://chevroletforum.com/forum/express-savana-g-series-vans-30/oil-consumption-new-6-6l-v8-owner-feedback-please-112702/page2/

6. ChevyTrucks.org: GM 6.6L L8T engine guide (owners report oil use, mostly when towing), via search extract Oct 27, 2026 FORUM/BLOG
https://chevytrucks.org/gm-6-6l-l8t-engine-guide/

7. NHTSA recall records: 26V-129 (2025–2026 Silverado/Sierra 3500 gas with dual tanks, RPOs L8T and N2N: rear pump may not transfer fuel, stall) and 24V-839 (2022–2023 Express/Savana transmission software), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=26V129000

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

No warranty

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Wrong input (VIN, mileage, build date)? Email hello@repairahead.com with report ID RA-GML8T-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.