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

2011 Chevrolet Traverse at 115,000 mi

1GNKRGEDXBJ123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Traverse · Traverse LT 3.6 V6 FWD	GM High Feature V6: 3.6L (LY7, LLT, LFX, LGX, LFY), 3.0L (LF1, LFW, LGW twin turbo) and 2.8L turbo (LAU)	115,000 mi	FWD
BUILD MONTH	**REPORT DATE**	**MODE**	**PREPARED FOR**
Not entered (door jamb)	October 28, 2026	Shop	Sample Owner

VIN check: check digit valid; model-year code 'B' = 2011, 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 3 factory maintenance items

2
to watch or check at each service

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

- **21V-246** · Air bags · side curtain attachment: Unsecured side curtain air bags may not perform as intended, increasing the risk of injury.
- **14V-266** · Seat belts · front buckle cable: If the steel cable becomes fatigued and separates, the seatbelt may not properly restrain the seat occupant increasing the risk of an injury in a crash.
- **14V-118** · Air bags · seat side air bag wiring: Failure of the side impact air bags and seat belt pretensioners to deploy in a crash increase the risk of injury to the driver and front seat occupant.

A model-year list, not a VIN check. The full report lists the others. Repairs are free at a Chevrolet dealer if open. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. 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 — $140

Inspection: check now, while it's cheaper to fix — $140

inspection EXAMPLE

Timing chain stretch (P0008 / P0016–P0019): Past the range (68,000–108,000 mi, the middle half of 222 owner reports) · if it fails: $2,100–$4,180

Bearing knock and seized engines: Past the range (22,000–100,000 mi, the middle half of 61 owner reports)

Known weak points for this engine, not findings on your car. The inspection shows whether yours has early signs.

Next 12 months up to about 127,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 145,000 mi

Nothing else enters its reported range in this window.

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

Moved crankshaft reluctor (same codes as chain stretch) — Ask us for a quote

Any mileage (High Feature V6 engines with P0016–P0019 codes) · Ask for this check at every service

Engine oil in the coolant — Ask us for a quote

Any mileage (2010–2020 3.0L and 3.6L V6 (LLT, LFX, LGX and others)) · Ask for this check at every service

Recommended now

$140

Springfield Auto Care prices (example)

Planned through 145,000 mi

From $827

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 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 115,000 mi to 145,000 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 100,000 mi	**Was due at 100,000 mi (check records)** [M1][M2][M3][M4]	**$249**
Engine coolant DEX-COOL: drain, flush and refill every 150,000 mi or 5 years, whichever comes first.	every 150,000 mi or 5 years	**Due by age: every 5 years (check records)** [M5][M7][M2]	**From $179**
Automatic transmission fluid Every 100,000 mi normal; 50,000 mi severe.	every 100,000 mi	**Was due at 100,000 mi (check records)** [M1][M3][M2][M4]	**$259**

M1. 2009 Buick LaCrosse Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/buick/2009_buick_lacrosse_owners.pdf

M2. 2010 Cadillac SRX Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/cadillac/2010_cadillac_srx_owners.pdf

M3. 2009 Pontiac G8 Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/pontiac/2009_pontiac_g8_owners.pdf

M4. 2008 Chevrolet Equinox Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2008_chevrolet_equinox_owners.pdf

M5. 2012 Chevrolet Traverse Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2012_chevrolet_traverse_owners.pdf

M6. 2014 Chevrolet Impala Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2014_chevrolet_impala_owners.pdf

M7. 2015 Chevrolet Traverse Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2015_chevrolet_traverse_owners.pdf

M8. 2015 Cadillac SRX Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/cadillac/2015_cadillac_srx_owners.pdf

M9. 2015 Chevrolet Colorado Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2015_chevrolet_colorado_owners.pdf

M10. 2015 Chevrolet Impala Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2015_chevrolet_impala_owners.pdf

M11. 2015 Buick LaCrosse Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/buick/2015_buick_lacrosse_owners.pdf

M12. 2015 Chevrolet Camaro Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2015_chevrolet_camaro_owners.pdf

M13. 2015 GMC Canyon Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/gmc/2015_gmc_canyon_owners.pdf

WHERE 115K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Timing chain stretch (P0008 / P0016–P0019)	68,000–108,000 mi (middle half of 222 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Past the range
2	Moved crankshaft reluctor (same codes as chain stretch)	High Feature V6 engines with P0016–P0019 codes OFFICIAL	Any mileage
3	Engine oil in the coolant	2010–2020 3.0L and 3.6L V6 (LLT, LFX, LGX and others) OFFICIAL	Any mileage
4	Bearing knock and seized engines	22,000–100,000 mi (middle half of 61 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Past the range

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 2011 Chevrolet Traverse

Safety recall repairs are free at Chevrolet dealers. On a car over 15 years old, ask the dealer whether a newer recall is still repaired free. 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 1GNKRGEDXBJ123456.
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.

3.6L / 3.0L V6 (LY7 / LLT / LFX / LGX / LFY) RECALLS WE TRACK

NHTSA lists no engine-specific recall campaign for the 3.6L / 3.0L V6 (LY7 / LLT / LFX / LGX / LFY) as of 2026-10-28. Recalls on the rest of the car are in the model-year list below.

EVERY RECALL NHTSA LISTS FOR THE 2011 CHEVROLET TRAVERSE (5)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
21V-246	Air bags · side curtain attachment	Unsecured side curtain air bags may not perform as intended, increasing the risk of injury. Details
14V-266	Seat belts · front buckle cable	If the steel cable becomes fatigued and separates, the seatbelt may not properly restrain the seat occupant increasing the risk of an injury in a crash. Details
14V-118	Air bags · seat side air bag wiring	Failure of the side impact air bags and seat belt pretensioners to deploy in a crash increase the risk of injury to the driver and front seat occupant. Details
15V-415	Liftgate · gas struts	If the open liftgate unexpectedly falls, it may strike a person, increasing their risk of injury. Details
12V-151	Wipers · linkage (salt states)	The wiper linkage ball joint can corrode and come apart, so the wipers stop and the driver's view is reduced. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: TRAVERSE. 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 (Lambda).

1 Timing chain stretch (P0008 / P0016–P0019)

Past the range

Severity: Critical: rare, but can badly damage the engine · 620 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 115,000 mi this car is past the reported range (68,000–108,000 mi (middle half of 222 owner complaints that state a mileage)). If the original parts are still fitted, have them checked and plan for them. Range: 68,000–108,000 mi (middle half of 222 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2004–2017 engines, mostly 2007–2012 (LY7, LLT, LF1, LFW, LFX); not shown for 2018-on

WHAT FAILS OFFICIAL [2]

The timing chains on GM's High Feature V6 can stretch and set cam/crank correlation codes P0008, P0009 and P0016–P0019. GM released timing chain kits and says the guides should only be replaced when worn. On 2007–2011 Enclave, Acadia, Traverse and Malibu, GM also replaces the PCV foul-air tube and bank 2 cam cover during the job.

SYMPTOMS

- Check-engine light with P0008, P0009 or P0016–P0019
- Rattle at cold start
- Rough running or stalling

IF IT'S LEFT TOO LONG

A badly stretched chain can jump a tooth and damage the valves.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Replace the chains when the codes first appear; change the oil on time to slow the stretch.

ESTIMATED REPAIR COST

Labor only, 6.9–9.7 h GM warranty time plus the timing chain kit	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=155)	**$2,100–$4,180** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Estimate: GM warranty labor time of 6.9–9.7 h (bulletin [2]) × $100–$160/h independent-shop labor rate [7]. Parts are extra unless stated; check the VIN for open warranty coverage first. Failed column: Computed from 155 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $3,000). Examples: ODI 11046928, 11190331, 11100525, 10560062. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR LAMBDA

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

QUESTIONS TO ASK US

- Any P0008 / P0016-type codes?
- Timing chains ever replaced?
- Oil change history?

2 Moved crankshaft reluctor (same codes as chain stretch)

Any mileage

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

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (High Feature V6 engines with P0016–P0019 codes), so mileage doesn't say much here. Range: High Feature V6 engines with P0016–P0019 codes OFFICIAL [3]

WHAT FAILS OFFICIAL [3]

GM warns that the same timing codes can come from the crankshaft reluctor ring having moved on the crankshaft. In that case the crankshaft is replaced, not the chains.

SYMPTOMS

- P0016–P0019 that return after a chain job

IF IT'S LEFT TOO LONG

Replacing chains will not fix this; the codes come back.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Have the reluctor checked before or during a chain job.

ESTIMATED REPAIR COST

No published price	**Our price is in the plan above** ask us for a written quote
No published bill (crankshaft replacement)	**No published price** reported range for the bill after a failure

PARTS FOR LAMBDA

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

QUESTIONS TO ASK US

- Did timing codes come back after chain work?

3 Engine oil in the coolant

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 5 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2010–2020 3.0L and 3.6L V6 (LLT, LFX, LGX and others)), so mileage doesn't say much here. Range: 2010–2020 3.0L and 3.6L V6 (LLT, LFX, LGX and others) OFFICIAL [4][5]

WHAT FAILS OFFICIAL [4][5]

GM has a diagnostic bulletin for engine oil in the cooling system on these V6s. A separate GM bulletin says that when the engine is otherwise healthy the usual cause is a leaking engine oil cooler; the cooler, thermostat and oil-soaked hoses are replaced and the system flushed. If the engine itself is the source, it is replaced.

SYMPTOMS

- Oily film or sludge in the coolant reservoir
- Coolant level dropping
- Overheating

IF IT'S LEFT TOO LONG

Oil in the coolant can block the radiator and heater core and lead to overheating.

IS IT WORTH DOING EARLY? OUR ESTIMATE

ESTIMATED REPAIR COST

No published price	**Our price is in the plan above** ask us for a written quote
No published bill (engine replacement if the engine is the source)	**No published price** reported range for the bill after a failure

PARTS FOR LAMBDA

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

Find the source quickly; an oil cooler is far cheaper than an engine.

QUESTIONS TO ASK US

- Any oil seen in the coolant tank?

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4 Bearing knock and seized engines

Past the range

Severity: Critical: rare, but can badly damage the engine · 317 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 115,000 mi this car is past the reported range (22,000–100,000 mi (middle half of 61 owner complaints that state a mileage)). If the original parts are still fitted, have them checked and plan for them. Range: 22,000–100,000 mi (middle half of 61 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: High Feature V6 Gen 1 and Gen 2 (2007–2018)

WHAT FAILS OFFICIAL [6]

GM has a bulletin with rules for when a High Feature V6 with a knock, a seized engine or bearing failure must be replaced rather than repaired.

SYMPTOMS

- Knocking from the bottom of the engine
- Low oil pressure
- Engine seized

IF IT'S LEFT TOO LONG

A bearing failure usually means a replacement engine.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Keep the oil full and changed on time; diagnose any knock at once.

ESTIMATED REPAIR COST

No published price	**Our price is in the plan above** ask us for a written quote
No published bill (engine replacement)	**No published price** reported range for the bill after a failure

PARTS FOR LAMBDA

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

QUESTIONS TO ASK US

- Any knocking noise?
- Engine ever replaced?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.6L / 3.0L V6 (LY7 / LLT / LFX / LGX / LFY) 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	2,612	Counts every transmission complaint (6-, 8- and 9-speed automatics); not an engine fault.
Stalling / loss of power	1,404	Mixed causes; some describe stretched timing chains, others electrical faults.
Water pump / coolant loss	243	Owners report water pump leaks; no GM program covers them on these engines.

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/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 28, 2026 from NHTSA's complaints API for Traverse, Enclave, XT5, XT6, Saturn Outlook and pre-2017 Acadia and 2010–2016 SRX complaints (complaints that name the 2.0L turbo left out on 2018–2020 Traverse and 2020-on XT5/XT6); Impala complaints that do not mention the 2.5L (and all 2014–2016 Impala Limited); XTS complaints except the twin-turbo V-Sport; CT6 complaints that name the 3.6L or the 3.0L twin turbo; and 2017-on Acadia, Blazer, Camaro, CTS, ATS, STS, 2004–2009 SRX, Colorado/Canyon, LaCrosse, Rendezvous, Equinox, Terrain, Captiva Sport, Malibu, Saturn Aura and Vue and Pontiac G6, G8 and Torrent complaints that mention the V6, 3.6L, 3.0L or the V6 trim. Nameplates sold with other engines are filtered by complaint text, so their counts under-count. The 2017 Acadia Denali / Limited files hold every 2017 Acadia complaint, so only complaints that name the V6 or 3.6L (or the trim) are kept; the 2016 "Impala Limited" file holds 2016 Malibu complaints and is not used: 18,339 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	2,612	Also reported
Stalling / loss of power	1,404	Also reported
Timing chain / cam-crank codes	620	Item 1
Engine knock / seized	317	Item 4
Water pump / coolant loss	243	Also reported
Oil in coolant	5	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.

1. NHTSA owner complaints for the High Feature V6 models listed above (Traverse, Acadia, Enclave, XT5, XT6, Blazer, SRX, STS, CTS, ATS, XTS, CT6, Impala, Camaro, Colorado/Canyon, LaCrosse, Rendezvous, Equinox/Terrain, Captiva Sport, Malibu, Saturn and Pontiac versions), pulled Oct 28, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. GM Service bulletin 12-06-01-009F: High Feature V6 timing chain kits and chain guide replacements, DTCs P0008, P0009, P0016–P0019 (2015-03-03), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2015/MC-10113723-9999.pdf

3. GM PIP3423P: DTCs P0016–P0019, P0008, P0009: crankshaft reluctor may have moved (2018-08-09), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2018/MC-10144453-9999.pdf

4. GM PIP5257E: Cooling system contaminated with engine oil (3.0L / 3.6L V6) (2021-05-04), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2021/MC-10197281-9999.pdf

5. GM Service bulletin 25-NA-052: Information on flushing oil contamination from the cooling system (leaking engine oil cooler) (2025-03-25), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2025/MC-11017263-0001.pdf

6. GM PIP5216F: Engine replacement recommendations for HFV6 Gen 1 and Gen 2 (knock, seized engine, bearing failure) (2017-06-07), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2017/MC-10118250-9999.pdf

7. 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 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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