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

2001 Chevrolet Cavalier at 142,000 mi

1G1JC524617123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Cavalier · J-body (1995–2005)	GM 2.2L (2200) OHV four-cylinder, LN2	142,000 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 '1' = 2001, 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.

0
jobs recommended now

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

3
to watch or check at each service

Safety recalls NHTSA lists for this model year (1)

- **04V-036** · Electrical system · ignition · switch: If the key is held in START for a long time, the ignition switch can overheat and melt inside. A damaged switch can start a fire in the steering column, even with the engine off and the key removed.

A model-year list, not a VIN check. 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, including 04V-036. Read the build month (MM/YY) on the driver's door-jamb label.

Recommended now at the next service

Good news: nothing on the 2.2L OHV I4 (LN2) watch list is due at this mileage. Worth a fresh look at about 152,000 mi.

Next 12 months up to about 152,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 172,000 mi

Nothing else enters its reported range in this window.

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

In-tank fuel pump failure (stall, crank but no start) — **$900**
Any mileage (GM bulletin for crank, no start from low fuel pressure) · Inspect at each service; fix at the first sign
our price EXAMPLE

Coolant leaks and overheating (water pump, hoses, head gasket) — **$650**
Any mileage (GM bulletins) · Inspect at each service; fix at the first sign
our price EXAMPLE

High oil consumption (GM bulletin) — **Ask us for a quote**
Any mileage (1998–2001 Cavalier, Sunfire and S-series (GM bulletin)) · Inspect at each service; fix at the first sign

Recommended now

No repairs due now

Springfield Auto Care prices (example)

Planned through 172,000 mi

From $428

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 142,000 mi to 172,000 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)** [M2][M3][M4]	**From $179**

M1. 2000 Chevrolet Cavalier Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2000_chevrolet_cavalier_owners.pdf

M2. 2001 Chevrolet Cavalier Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2001_chevrolet_cavalier_owners.pdf

M3. 2002 Chevrolet S-10 Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2002_chevrolet_s10_owners.pdf

M4. 2003 Chevrolet S-10 Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2003_chevrolet_s10_owners.pdf

M5. 2000 Chevrolet S-10 Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2000_chevrolet_s10_owners.pdf

WHERE 142K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	In-tank fuel pump failure (stall, crank but no start)	Any mileage; GM bulletin for crank, no start from low fuel pressure OFFICIAL	● Any mileage
2	Coolant leaks and overheating (water pump, hoses, head gasket)	Any mileage; GM bulletins OFFICIAL	● Any mileage
3	High oil consumption (GM bulletin)	1998–2001 Cavalier, Sunfire and S-series (GM bulletin) OFFICIAL	● Any mileage
4	Ignition switch can overheat (recall 04V-036)	2000–2001 Cavalier and Sunfire (recall 04V-036) OFFICIAL	● Listed for this model and year: check by VIN

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 2001 Chevrolet Cavalier

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 1G1JC524617123456.
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.

2.2L OHV I4 (LN2) RECALLS WE TRACK

04V-036 · Ignition switch can overheat (2000–2001 Cavalier and Sunfire)

NHTSA lists this model and year: check by VIN

If the key is held in START for a long time when the engine will not start, the ignition switch can overheat and melt inside, and a damaged switch can start a fire in the steering column. Dealers fix it free. OFFICIAL [6]

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

EVERY RECALL NHTSA LISTS FOR THE 2001 CHEVROLET CAVALIER (1)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
04V-036 2.2L OHV I4 (LN2) tracked	Electrical system · ignition · switch	If the key is held in START for a long time, the ignition switch can overheat and melt inside. A damaged switch can start a fire in the steering column, even with the engine off and the key removed. Details

Source: NHTSA recalls API, fetched 2026-10-28 and combined across NHTSA model names: CAVALIER. 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 (CAVALIER): This sample is a 2.2L sedan with factory equipment. 09E-012, 08E-050 and 06E-026 (aftermarket lamps), 08E-063 (aftermarket steering shafts) and 07E-021 (aftermarket fuel pressure regulators) are replacement parts, not factory equipment. They are left out; a VIN check would show any that applied.

SERVICE ACTIONS, BULLETINS AND WARRANTY PROGRAMS

CAMPAIGN	WHAT IT SAYS	THIS CAR
Oil consumption bulletin 01-06-01-030A	Covers higher than expected oil consumption on 1998–2001 Cavalier, Sunfire and S-series. It is a repair procedure, not an extended warranty. OFFICIAL [2]	Owner's cost out of warranty
Campaign 01028A: generator warning light PCM reflash	On some 2000 Cavalier and Sunfire with the 2.2L or 2.4L, the low-voltage light did not come on, so a failing charging system could drain the battery until the engine stopped. Dealers reflashed the PCM. OFFICIAL [11]	Ask the dealer whether it was done; the campaign is old
Cold-start hesitation bulletin 02-06-04-009	A PCM reprogram for a hesitation or stumble on throttle after a cold start on 1999–2001 Cavalier and Sunfire. OFFICIAL [12]	Owner's cost out of warranty

CAMPAIGN	WHAT IT SAYS	THIS CAR
Engine whine bulletin 99-01-38-003	Covers an engine or transmission whine at about 2,800–3,200 rpm on 1997–2000 Cavalier and Sunfire with the 2.2L. OFFICIAL [13]	Owner's cost out of warranty

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 (J-body).

1 In-tank fuel pump failure (stall, crank but no start)

Any mileage

Severity: High: overheating, stalls, limp mode or a big bill · 49 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (Any mileage; GM bulletin for crank, no start from low fuel pressure), so mileage doesn't say much here. Range: Any mileage; GM bulletin for crank, no start from low fuel pressure OFFICIAL [5]
Applies to: Cavalier and Sunfire (fuel pump complaints and the GM bulletin are for these cars)

WHAT FAILS OFFICIAL [5][1]

The electric fuel pump inside the tank wears out. The engine cuts out at speed or cranks but will not start, often after running hot or on a low tank. It is the most reported engine-side fault on the Cavalier and Sunfire in NHTSA complaints, and GM has a bulletin for crank, no start with low or no fuel pressure.

SYMPTOMS

- Engine cuts out while driving and will not restart for a while
- Long cranking, worse when hot or on a low tank
- Whining from the rear of the car

IF IT'S LEFT TOO LONG

A stall in traffic is a crash risk, and the car can strand you without warning.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Have fuel pressure tested at the first long crank or stall; replace the pump module before a tow.

ESTIMATED REPAIR COST

Fuel pump replacement, Chevrolet Cavalier (RepairPal average, all model years: labor $221–$324, parts $648–$743)	**Our price is in the plan above** ask us for a written quote
Same job; a tow adds to it if the car is stranded	**$869–$1,067** SHOP/RETAILER [7] reported range for the bill after a failure

Where the numbers come from: RepairPal's Cavalier fuel pump average is $869–$1,067 (labor $221–$324, parts $648–$743) [7]. Its model-year rows vary widely (2000 Cavalier $1,047–$1,288; 2001 $599–$747), so the all-years average is used. Older owner bills in NHTSA complaints (2004–2008) ran $640–$700 (middle half of 9: ODI 10104497, 10073178, 10025510, 10243417, 10237997, 10211485, 10194886, 10109901, 10056457) [1]; prices have risen since.

PARTS FOR J-BODY

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

QUESTIONS TO ASK US

- Any stalling or long cranking?
- Fuel pump ever replaced?

2 Coolant leaks and overheating (water pump, hoses, head gasket)

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 (Any mileage; GM bulletins), so mileage doesn't say much here. Range: Any mileage; GM bulletins OFFICIAL [3][4]

Applies to: Cavalier and Sunfire (the GM bulletins are for these cars)

WHAT FAILS OFFICIAL [3][4][1]

GM has a bulletin for a few drops of coolant leaking after the car is parked, and a 2.2L bulletin for the upper radiator hose rubbing through on the battery tray. Owners report coolant loss, the low-coolant light and overheating; a car that overheats badly can blow the head gasket.

SYMPTOMS

- Coolant drips or a sweet smell after parking
- Low-coolant light
- Temperature gauge climbing, steam from the hood

IF IT'S LEFT TOO LONG

Driving on with low coolant overheats the engine and can blow the head gasket or warp the head.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix small coolant leaks early; check the upper hose where it passes the battery tray.

ESTIMATED REPAIR COST

Water pump replacement, Chevrolet Cavalier (RepairPal)	**Our price is in the plan above** ask us for a written quote
Head gasket replacement after overheating, Chevrolet Cavalier (RepairPal)	**$1,901–$2,393** SHOP/RETAILER [9] reported range for the bill after a failure

PARTS FOR J-BODY

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

QUESTIONS TO ASK US

- Does it lose coolant?
- Ever overheated?
- Water pump or head gasket replaced?

3 High oil consumption (GM bulletin)

Any mileage

Severity: Medium: leaks and wear · 1 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (1998–2001 Cavalier, Sunfire and S-series (GM bulletin)), so mileage doesn't say much here. Range: 1998–2001 Cavalier, Sunfire and S-series (GM bulletin) OFFICIAL [2]

WHAT FAILS OFFICIAL [2]

GM issued a bulletin for higher than expected oil consumption, with owners adding oil between changes, on the 1998–2001 Cavalier, Sunfire and Chevrolet and GMC S-series, the models that used this 2.2L. Run low on oil, a pushrod engine wears its cam and lifters and can knock.

SYMPTOMS

ESTIMATED REPAIR COST

Oil consumption test (no published price)	**Our price is in the plan above** ask us for a written quote
No owner-reported bill	**No published price** reported range for the bill after a failure

- Oil level low between changes
- Blue smoke at start-up
- Oil-fouled spark plugs

IF IT'S LEFT TOO LONG

Running low on oil wears the camshaft, lifters and bearings.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the oil level at every fill-up and top up; measure use over 1,000 miles before any repair.

PARTS FOR J-BODY

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

QUESTIONS TO ASK US

- How much oil does it use between changes?
- Any smoke at start-up?

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4 Ignition switch can overheat (recall 04V-036)

Listed for this model and year: check by VIN

Severity: High: overheating, stalls, limp mode or a big bill · 53 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

Reported window: 2000–2001 Cavalier and Sunfire (recall 04V-036). Range: 2000–2001 Cavalier and Sunfire (recall 04V-036) OFFICIAL [6]

04V-036: NHTSA lists this model and year: check by VIN

WHAT FAILS OFFICIAL [6][1]

If the engine does not start and the key is held in START for a long time, high current through the ignition switch can melt parts inside it. GM recalled the 2000–2001 Cavalier and Sunfire (GM recall 04002). Owners also report stalling and no-start problems they link to the switch.

SYMPTOMS

- Key hard to turn or switch feels hot
- Dash goes dead while driving
- No crank or intermittent start

IF IT'S LEFT TOO LONG

A damaged switch can start a fire in the steering column, even with the engine off and the key removed, and can cause stalling or a no-start.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the VIN for open recall 04V-036; the repair is free at a Chevrolet or Pontiac dealer.

ESTIMATED REPAIR COST

Free under recall 04V-036	**Free if covered** OFFICIAL [6] published independent-shop range
Ignition switch replacement if it fails later, Chevrolet Cavalier (RepairPal)	**$203–$272** SHOP/RETAILER [10] reported range for the bill after a failure

PARTS FOR J-BODY

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

QUESTIONS TO ASK US

- Recall 04V-036 done?
- Any stalling with the dash going dead?

5 · ALSO REPORTED, NOT RANKED

Other themes in 2.2L OHV I4 (LN2) 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
Brakes / steering	248	Chassis complaints; not engine faults.
Stalling	131	Mixed causes: fuel pumps, the ignition switch, and a 2000 low-voltage warning light that GM fixed with a PCM reflash (campaign 01028). Fuel pump and switch faults have their own items.
Transmission	63	Automatic and manual transmission complaints; not engine faults.
Check-engine light	34	Mixed causes, mostly emissions and transmission codes; no single engine fault stands out.

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 2000–2001 Cavalier and 2000–2002 Sunfire complaints that do not name the 2.4L, Z24, GT or Ecotec; 2000–2003 S-10 and Sonoma complaints that name the 2.2L or a four-cylinder and not the 4.3L V6: 845 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. Almost all counted complaints are Cavalier and Sunfire. Pickup owners rarely name the engine, so the S-10 and Sonoma are under-counted (2 complaints). Car complaints that do not name an engine are counted here, because the 2.2L was the base engine; a few may be from 2.4L cars. Many complaints are about brakes, air bags and electrics, not the engine. NHTSA complaint data starts with 2000 model years, so 1990–1999 cars and trucks are not in the counts. `COMPUTED FROM NHTSA DATA`

THEME	COMPLAINTS	IN THIS REPORT
Brakes / steering	248	Also reported
Stalling	131	Also reported
Transmission	63	Also reported
Ignition switch	53	Item 4
Fuel pump	49	Item 1
Coolant leak / overheating	40	Item 2
Check-engine light	34	Also reported
Oil consumption	1	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 2000–2001 Chevrolet Cavalier and 2000–2002 Pontiac Sunfire (complaints that do not name the 2.4L, Z24, GT or Ecotec) and 2000–2003 Chevrolet S-10 and GMC Sonoma (complaints that name the 2.2L or a four-cylinder), pulled Oct 28, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. GM bulletin 01-06-01-030A: higher than expected engine oil consumption, having to add oil between changes (1998–2001 Cavalier, Sunfire, Chevrolet and GMC S-series) (2002-05-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=634811

3. GM bulletin 01-06-02-012: a few drops of coolant leaking after the vehicle is parked (1996–2002 Cavalier and Sunfire and other GM cars) (2001-12-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=628890

4. GM bulletin 00004: upper radiator hose can contact the battery tray on 2.2L (VIN 4) engines, causing a coolant leak and the low-coolant light (1998–2000 Cavalier and Sunfire) (2000-04-05), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=612033

5. GM bulletin 3189: crank, no start, low or no fuel pressure (1999–2005 Cavalier and Sunfire), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10010629

6. NHTSA recall 04V-036: ignition switch can overheat if the key is held in START (2000–2001 Cavalier and Sunfire, GM recall 04002) OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=04V036000

7. RepairPal: Chevrolet Cavalier fuel pump replacement estimate (page updated Sep 3, 2026), re-read Oct 28, 2026 SHOP/RETAILER
https://repairpal.com/estimator/chevrolet/cavalier/fuel-pump-replacement-cost

8. RepairPal: Chevrolet Cavalier water pump replacement estimate, fetched Oct 28, 2026 SHOP/RETAILER
https://repairpal.com/estimator/chevrolet/cavalier/water-pump-replacement-cost

9. RepairPal: Chevrolet Cavalier head gasket replacement estimate, fetched Oct 28, 2026 SHOP/RETAILER
https://repairpal.com/estimator/chevrolet/cavalier/head-gasket-replacement-cost

10. RepairPal: Chevrolet Cavalier ignition switch replacement estimate, fetched Oct 28, 2026 SHOP/RETAILER
https://repairpal.com/estimator/chevrolet/cavalier/ignition-switch-replacement-cost

11. GM customer satisfaction campaign 01028A: PCM reflash so the generator low-voltage light comes on; a drained battery can stop the engine (2000 Cavalier and Sunfire with the 2.2L or 2.4L) (2001-06-18), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=623429

12. GM bulletin 02-06-04-009: hesitation or stumble on throttle after a cold start, reprogram the PCM (1999–2001 Cavalier and Sunfire and other GM cars) (2002-03-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=629502

13. GM bulletin 99-01-38-003: engine or transmission whine at 2,800–3,200 rpm on 2.2L engines (1997–2000 Cavalier and Sunfire) (1999-09-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=608380

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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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.