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

2008 Chevrolet Impala at 112,000 mi

2G1WT58K281123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Impala · Impala LT 3.5L V6 sedan	GM 60-degree V6: 3.1L, 3.4L, 3.5L and 3.9L (LG8, LA1, LNJ, LX9, LZE, LZ4, LZ9)	112,000 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 '8' = 2008, 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

1
to watch or check at each service

Safety recalls NHTSA lists for this model year (1)

- **14V-355** · Ignition · key and switch: A heavy key ring or a jolt can turn the key out of the run position. The engine shuts off, power steering and brake assist are lost, and the air bags may not deploy in a crash. Until it is fixed, keep only the ignition key on the ring.

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. 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

Coolant crossover and head gasket leaks (3.5L / 3.9L): Past the range (47,000–83,000 mi, the middle half of 19 owner reports) · if it fails: $1,000–$2,000

Known weak point for this engine, not a finding on your car. The inspection shows whether yours has early signs.

Next 12 months up to about 124,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 142,000 mi

Nothing else enters its reported range in this window.

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

Throttle position sensor: rough running and reduced power (2008–2011) **$350**

Inside the range (56,000–120,000 mi, the middle half of 29 owner reports) · Inspect at each service; fix at the first sign

our price EXAMPLE

Recommended now

$140

Springfield Auto Care prices (example)

Planned through 142,000 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 112,000 mi to 142,000 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][M5]	**$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)** [M1][M2][M4][M5]	**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][M2][M3][M4][M6][M7]	**$259**

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

M2. 2004 Chevrolet Impala Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2004_chevrolet_impala_owners.pdf

M3. 2005 Chevrolet Venture Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2005_chevrolet_venture_owners.pdf

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

M5. 2011 Chevrolet Impala Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2011_chevrolet_impala_owners.pdf

M6. 2008 Chevrolet Equinox Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2008_chevrolet_equinox_owners.pdf

M7. 2010 Chevrolet Malibu Owner Manual (Maintenance Schedule) OFFICIAL
https://assets.gm.com/manuals/chevrolet/2010_chevrolet_malibu_owners.pdf

WHERE 112K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Coolant crossover and head gasket leaks (3.5L / 3.9L)	47,000–83,000 mi (middle half of 19 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Past the range
2	Throttle position sensor: rough running and reduced power (2008–2011)	56,000–120,000 mi (middle half of 29 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Inside 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 2008 Chevrolet Impala

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 2G1WT58K281123456.
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.

3.1 / 3.4 / 3.5 / 3.9L V6 (60-DEGREE) RECALLS WE TRACK

Other 3.1 / 3.4 / 3.5 / 3.9L V6 (60-degree) recalls we track, not listed by NHTSA for this model and year: 07V-349 (fuel tank inlet check valve may fracture (2001–2004 Venture, Montana, Aztek, 2002–2004 Rendezvous)), 03V-454 (fuel tank inlet check valve weld may fail (2004 Aztek and Rendezvous)), 01V-136 (fuel return line can be cut in a crash (2000–2001 Impala 3.4L without ABS)).

EVERY RECALL NHTSA LISTS FOR THE 2008 CHEVROLET IMPALA (1)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
14V-355	Ignition · key and switch	A heavy key ring or a jolt can turn the key out of the run position. The engine shuts off, power steering and brake assist are lost, and the air bags may not deploy in a crash. Until it is fixed, keep only the ignition key on the ring. Details

Source: NHTSA recalls API, fetched 2026-10-28 and combined across NHTSA model names: IMPALA. 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 (IMPALA): 12V-377 (front lower control arm) covers Impala police cars only and is left out of this sample; 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 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 (W-body). Left out because they apply to other models, years, engine sizes or body codes: Lower intake manifold gasket leak (coolant or oil); Fuel pump module port cracks (fuel smell, 2007–2009 SUVs and vans).

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1 Coolant crossover and head gasket leaks (3.5L / 3.9L)

Past the range

Severity: High: overheating, stalls, limp mode or a big bill · 810 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 112,000 mi this car is past the reported range (47,000–83,000 mi (middle half of 19 owner complaints that state a mileage)). If the original parts are still fitted, have them checked and plan for them. Range: 47,000–83,000 mi (middle half of 19 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2006–2010 cars and vans with the 3.5L or 3.9L

WHAT FAILS OFFICIAL [6][7]

GM says the gasket between the coolant crossover pipe and the front of the right (rear-side) cylinder head can leak coolant; the fix is updated crossover gaskets. GM also issued a cylinder head gasket replacement bulletin for 2006–2007 cars and vans with these engines.

SYMPTOMS

- Coolant smell or drips at the back of the engine
- Coolant level dropping
- Engine runs hot

IF IT'S LEFT TOO LONG

A leak that is ignored can overheat the engine and damage the head gaskets.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix the crossover gaskets at the first leak; it costs far less than a head gasket job.

ESTIMATED REPAIR COST

No shop quote found; owners report about $350–$365 for crossover gaskets	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=28)	**$1,000–$2,000** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Head gasket figure: Computed from 28 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $1,310). Examples: ODI 10189146, 10532604, 10112728, 10154415. Owner-reported, often dealer prices; not shop quotes. These bills come from the whole engine family, mostly 3.4L engines.

PARTS FOR W-BODY

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

QUESTIONS TO ASK US

- Crossover gaskets ever replaced?
- Any coolant top-ups or overheating?

2 Throttle position sensor: rough running and reduced power (2008–2011)

Inside the range

Severity: Medium: leaks and wear · 589 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

At 112,000 mi this car is inside the reported range (56,000–120,000 mi (middle half of 29 owner complaints that state a mileage)), 56,000 miles past where reports start. Range: 56,000–120,000 mi (middle half of 29 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2008–2011 Impala, 2008–2009 Equinox, Uplander, Torrent, Montana SV6 and 2008–2010 G6 in the GM coverage

WHAT FAILS OFFICIAL [9]

GM's special coverage says the throttle position sensor can make the engine run rough, turn on the check-engine light and a Reduced Power message, and cut engine power. Dealers fitted a sensor kit (Hitachi throttle bodies) or a new throttle body (Bosch). The coverage ran 10 years or 120,000 miles, so it has ended for these cars.

SYMPTOMS

- Reduced Power message
- Check-engine light
- Rough running or poor throttle response

IF IT'S LEFT TOO LONG

Sudden loss of power in traffic.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix at the first Reduced Power message; ask the shop which throttle body the car has.

ESTIMATED REPAIR COST

Labor only, 1.1–1.7 h GM warranty time plus the sensor kit or throttle body	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=11)	**$290–$650** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Estimate: GM warranty labor time of 1.1–1.7 h (bulletin [9]) × $100–$160/h independent-shop labor rate [12]. Parts are extra unless stated; check the VIN for open warranty coverage first. GM times: 1.1 h (G6), 1.2 h (Impala), 1.3 h (Equinox, Torrent), 1.7 h (Uplander, Montana SV6). Failure range: Computed from 11 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $550). Examples: ODI 10679389, 10458955, 10587949, 10557465. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR W-BODY

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

QUESTIONS TO ASK US

- Any Reduced Power messages?
- Throttle body or sensor replaced?

5 · ALSO REPORTED, NOT RANKED

Other themes in 3.1 / 3.4 / 3.5 / 3.9L V6 (60-degree) 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	2,096	Mixed causes: ignition switches, fuel pumps, throttle sensors and electrical faults.
Transmission	1,611	Counts every transmission complaint (4T65-E and 4T45-E automatics); not an engine fault.
Engine fire	1,130	Mostly 2000–2004 Impala, Monte Carlo and Grand Prix: many of these cars had the 3.8L, whose valve-cover fire recalls are covered on the 3800 page; others are electrical fires. Not a 60-degree V6 fault.
Dex-Cool / sludge	126	Owners blame the long-life coolant for sludge and gasket damage; no GM program for it was found. Keep the coolant fresh and full.

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 Impala and Monte Carlo complaints that do not mention the 3.8L or a V8; V6 Malibu, Grand Am, Alero and G6 complaints and 2008–2010 Malibu complaints that name the 3.5L; all Venture, Uplander, Silhouette, Lumina, Aztek, Montana, Terraza and Relay complaints; Equinox, Torrent and Rendezvous complaints that do not mention the 3.6L; Grand Prix and Century complaints that do not mention the 3.8L; 2009–2011 Lucerne complaints that do not mention the V8; and Aura complaints that mention the 3.5L: 25,475 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. Many 2000–2005 Impala and Grand Prix owners do not name the engine, so some 3.8L complaints are counted. Items marked with a size apply only to that engine size. Few shop quotes could be gathered for this family; most prices are owner-reported bills or labor-time estimates.

`COMPUTED FROM NHTSA DATA`

THEME	COMPLAINTS	IN THIS REPORT
Stalling / loss of power	2,096	Also reported
Transmission	1,611	Also reported
Engine fire	1,130	Also reported
Fuel smell / fuel pump	911	Other years or engine sizes
Intake gasket / coolant leak	844	Other years or engine sizes
Head gasket / crossover / overheating	810	Item 1
Throttle / reduced power	589	Item 2
Dex-Cool / sludge	126	Also reported

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 2000–2004 Alero V6 and Silhouette, 2000–2001 Lumina, 2008–2010 Malibu 3.5L, 2009–2011 Lucerne (V8 left out), 2000–2011 Impala and 2000–2007 Monte Carlo (3.8L and V8 left out), 2000–2007 V6 Malibu and Malibu Maxx, Venture, Uplander, 2005–2009 Equinox (3.6L left out), Grand Am V6, 2000–2003 Grand Prix (3.8L left out), G6 V6, Aztek, Montana, Torrent, Rendezvous (3.6L left out), Century (3.8L left out), Terraza, Relay and Aura XE, pulled Oct 28, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. GM Service bulletin 03-06-01-010: Engine oil or coolant leak: install new lower intake manifold gasket (2000–2003 Century, Impala, Malibu, Monte Carlo, Venture, Aztek, Grand Am, Grand Prix, Montana; 2002–2003 Rendezvous) (2008-04-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10004768

3. GM Service bulletin 02-06-01-014: Revised lower intake manifold installation (3.1L / 3.4L V6 cars and vans) (2002-04-01), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=634708

4. Bob Is The Oil Guy forum: 3100 intake leaks cured? (owners report the original lower intake gaskets on the 3100/3400 crack after many heat cycles and leak coolant; metal-framed replacement gaskets advised), via search extract Oct 28, 2026 FORUM/BLOG
https://bobistheoilguy.com/forums/threads/3100-intake-leaks-cured.43672/post-559633

5. YourMechanic: Chevrolet Impala intake manifold gaskets replacement estimates, via search extract Oct 28, 2026 SHOP/RETAILER
https://www.yourmechanic.com/estimates/chevrolet/impala/intake-manifold-gaskets-replacement

6. GM Service bulletin 07-06-02-006E: Coolant leaking from engine: replace coolant crossover pipe gaskets (2006–2010 Impala and Malibu, 2006–2007 Monte Carlo, Uplander, Terraza, Montana SV6, Relay, 2006–2009 G6, 2007–2009 Aura with the 3.5L or 3.9L) (2012-03-01), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2012/SB-10025683-2634.pdf

7. GM Bulletin 4196: Cylinder head gasket replacement (2006–2007 Impala, Malibu, Monte Carlo, Uplander, G6, Terraza, Relay with the 3.5L / 3.9L) (undated), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10022805

8. TrueDelta: 2007 Chevrolet Impala problem histories, via search extract Oct 28, 2026 FORUM/BLOG
https://www.truedelta.com/2007-Chevrolet-Impala/problem-histories-53

9. GM Special Coverage 14582: Throttle body, reduced power mode: throttle position sensor may make the engine run rough, light the MIL and cut power (2008–2011 Impala, 2008–2009 Equinox, Uplander, Torrent, Montana SV6, 2008–2010 G6 and others); 10 years / 120,000 miles (2015-09-24), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2015/MC-10123500-9999.pdf

10. GM Special Coverage 12191: Fuel odor or fuel spotting on the ground: replace the fuel pump module (2007–2009 Equinox, 2007 Torrent, 2008–2009 Uplander, Montana SV6, Torrent), no age or mileage limit (2013-02-01), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2013/MC-10245847-9999.pdf

11. NHTSA recall records: 12V-459 (2007 Equinox and Torrent in hot states: fuel pump module port can crack), 07V-349 and 03V-454 (fuel tank inlet check valve) and 01V-136 (2000–2001 Impala 3.4L fuel return line), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=12V459000

12. 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

Provided “as is”, without warranties of any kind, under the Terms of Use at repairahead.com/terms.

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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.