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

2006 Toyota Corolla at 120,000 mi

1NXBR32E16Z123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Corolla · E130 Corolla LE 1.8	Toyota ZZ-family 1.8L four (1ZZ-FE)	120,000 mi	FWD
BUILD MONTH	**REPORT DATE**	**MODE**	**PREPARED FOR**
Not entered (door jamb)	October 27, 2026	Shop	Sample Owner

VIN check: check digit valid; model-year code '6' = 2006, 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 2 factory maintenance items

2
to watch or check at each service

Safety recalls NHTSA lists for this model year (5)

- **10V-384** · Engine computer (ECM) · cracked circuit board: The engine computer on 2WD 1.8L Corollas can crack at solder points, which can turn on warning lights, cause a no-start, or stall the engine. Free ECM inspection and replacement if needed.
- **19V-741** · Air bags · passenger frontal inflator: The passenger air bag inflator can rupture in a crash and throw metal fragments.
- **19V-627** · Air bags · passenger frontal (replacement unit): A passenger air bag fitted under an earlier recall may not unfold properly in high heat.
- **15V-286** · Air bags · passenger frontal inflator: The passenger air bag inflator can rupture in a crash and throw metal fragments.
- **15V-285** · Air bags · passenger frontal inflator: The passenger air bag inflator can rupture in a crash and throw metal fragments.

A model-year list, not a VIN check. Repairs are free at a Toyota 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 Toyota dealer for a campaign printout, including 10V-384. 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

Oil consumption (piston rings): Past the range (48,000–97,000 mi, the middle half of 35 owner reports) · if it fails: $590–$2,080

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 132,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 150,000 mi

Nothing else enters its reported range in this window.

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

Lean / misfire codes in freezing weather — Ask us for a quote

Any mileage (2003–2008 Corolla and Matrix) · Inspect at each service; fix at the first sign

EVAP small-leak code P0456 (engine software) — Ask us for a quote

Any mileage (2005–2008 Corolla and Matrix) · Inspect at each service; fix at the first sign

Recommended now

$140

Springfield Auto Care prices (example)

Planned through 150,000 mi

From $568

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 120,000 mi to 150,000 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 120,000 mi	**Due at 120,000 mi** [M1][M2]	**$249**
Engine coolant Toyota Super Long Life Coolant: first change at 100,000 mi or 10 years, then every 50,000 mi or 5 years.	first at 100,000 mi, then every 50,000 mi or 5 years	**Was due at 100,000 mi and by age (check records)** [M1][M2]	**From $179**
Automatic transmission fluid No change on the normal schedule (inspect only); Toyota lists a 60,000-mi replacement only for towing, heavy loads or long idling/low-speed use.	no fixed interval	— [M1]	—

M1. 2008 Toyota Corolla Scheduled Maintenance Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/T-MMS-08Corolla/pdf/T-MMS-08Corolla.pdf

M2. 2008 Toyota Matrix Scheduled Maintenance Guide OFFICIAL
https://assets.sia.toyota.com/publications/en/omms-s/T-MMS-08Matrix/pdf/T-MMS-08Matrix.pdf

WHERE 120K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	Oil consumption (piston rings)	48,000–97,000 mi (middle half of 35 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Past the range
2	Lean / misfire codes in freezing weather	2003–2008 Corolla and Matrix OFFICIAL	Any mileage
3	EVAP small-leak code P0456 (engine software)	2005–2008 Corolla and Matrix 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 2006 Toyota Corolla

Safety recall repairs are free at Toyota 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 1NXBR32E16Z123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Toyota dealer for a campaign printout; it also lists completed campaigns.

1.8L 1ZZ-FE RECALLS WE TRACK

10V-384 · Engine computer can crack and stall the engine (2005–2008 Corolla and Matrix, 2WD)

NHTSA lists this model and year: check by VIN

The ECM on certain 1ZZ-FE two-wheel-drive models may crack at solder points, which can stall the engine. Free inspection and ECM replacement if needed. OFFICIAL [7]

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

Other 1.8L 1ZZ-FE recalls we track, not listed by NHTSA for this model and year: 10V-387 (engine computer can crack and stall the engine (2005–2008 Pontiac Vibe, 2WD)).

EVERY RECALL NHTSA LISTS FOR THE 2006 TOYOTA COROLLA (5)

RECALL	COMPONENT	WHAT CAN HAPPEN (NHTSA, SHORTENED)
10V-384 1.8L 1ZZ-FE tracked	Engine computer (ECM) · cracked circuit board	The engine computer on 2WD 1.8L Corollas can crack at solder points, which can turn on warning lights, cause a no-start, or stall the engine. Free ECM inspection and replacement if needed. Details
19V-741	Air bags · passenger frontal inflator	The passenger air bag inflator can rupture in a crash and throw metal fragments. Details
19V-627	Air bags · passenger frontal (replacement unit)	A passenger air bag fitted under an earlier recall may not unfold properly in high heat. Details
15V-286	Air bags · passenger frontal inflator	The passenger air bag inflator can rupture in a crash and throw metal fragments. Details
15V-285	Air bags · passenger frontal inflator	The passenger air bag inflator can rupture in a crash and throw metal fragments. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: COROLLA. 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 (COROLLA): 10V-035 and 10V-036 (distributor load labels) and 09E-012, 06E-023 and 06E-064 (aftermarket replacement lamps) do not cover the car as built and are left out of this sample; a VIN check would show them if they 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 (E130). Left out because they apply to other models, years, engine sizes or body codes: VVT-i fault code P1349.

1 Oil consumption (piston rings)

Past the range

Severity: Critical: rare, but can badly damage the engine · 57 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 120,000 mi this car is past the reported range (48,000–97,000 mi (middle half of 35 owner complaints that state a mileage)). If the original parts are still fitted, have them checked and plan for them. Range: 48,000–97,000 mi (middle half of 35 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: Mostly 1998–2002 engines; owners also report it on later ones

WHAT FAILS FORUM/BLOG [2][3]

Early 1ZZ-FE engines are widely reported to burn oil. The cause usually given is the piston ring design, with too little oil drainage from the rings. Toyota later changed the pistons and rings. No Toyota warranty program for it appears in NHTSA records.

SYMPTOMS

- Oil level low between changes
- Blue smoke at start-up
- Check-engine light for the catalytic converter (P0420)

IF IT'S LEFT TOO LONG

Running low on oil can wear the bearings and destroy the engine; burned oil also ruins the catalytic converter.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Track oil use between changes and keep it topped up. A ring job or a used engine are the fixes when it gets bad.

ESTIMATED REPAIR COST

No published price for a ring job	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=15)	**$590–$2,080** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Computed from 15 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $1,800). Examples: ODI 10204790, 10990491, 10839058, 10617289. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR E130

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

QUESTIONS TO ASK US

- How much oil does it use between changes?
- Catalytic converter replaced?

2 Lean / misfire codes in freezing weather

Any mileage

Severity: Medium: leaks and wear · 10 mentions in counted NHTSA complaints
COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2003–2008 Corolla and Matrix), so mileage doesn't say much here. Range: 2003–2008 Corolla and Matrix OFFICIAL [4]

WHAT FAILS OFFICIAL [4]

Toyota issued a bulletin for a check-engine light with lean (P0171), misfire (P030x) and/or oxygen-sensor (P0133) codes when the engine runs lean in sub-freezing temperatures.

SYMPTOMS

- Check-engine light in cold weather
- Rough running on cold mornings

IF IT'S LEFT TOO LONG

Lean running and misfires can damage the catalytic converter.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Diagnose with the bulletin; check for intake leaks and a dirty air-flow sensor first.

ESTIMATED REPAIR COST

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

PARTS FOR E130

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

QUESTIONS TO ASK US

- Check-engine light in winter?

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3 EVAP small-leak code P0456 (engine software)

Any mileage

Severity: Medium: leaks and wear · 45 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (2005–2008 Corolla and Matrix), so mileage doesn't say much here. Range: 2005–2008 Corolla and Matrix OFFICIAL [6]

WHAT FAILS OFFICIAL [6]

The check-engine light can come on with P0456, a very small leak in the fuel vapor (EVAP) system. Toyota modified the engine computer logic to reduce false detections.

SYMPTOMS

- Check-engine light with P0456

IF IT'S LEFT TOO LONG

No drivability effect, but the car can fail an emissions check.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Check the gas cap, then ask for the ECM update before replacing parts.

ESTIMATED REPAIR COST

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

PARTS FOR E130

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

QUESTIONS TO ASK US

- Any EVAP codes?

5 · ALSO REPORTED, NOT RANKED

Other themes in 1.8L 1ZZ-FE 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
Air bags	3,371	Air-bag inflator recalls dominate the complaint count; not an engine fault.
Stalling / engine computer	716	Recalls 10V-384 (Corolla, Matrix) and 10V-387 (Vibe): the 2005–2008 two-wheel-drive ECM can crack and stall the engine; check the VIN.
Transmission	594	Counts every transmission complaint; not an engine fault.

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/Toyota 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 2000–2008 Corolla and 2003–2008 Matrix complaints that do not mention the XRS or 2ZZ, 2003–2008 Vibe complaints that do not mention the GT, 2000–2005 Celica complaints that do not mention the GT-S, and all 2000–2005 MR2 complaints, and all 2000–2002 Chevrolet Prizm complaints: 7,296 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. `COMPUTED FROM NHTSA DATA`

THEME	COMPLAINTS	IN THIS REPORT
Air bags	3,371	Also reported
Stalling / engine computer	716	Also reported
Transmission	594	Also reported
Oil consumption	57	Item 1
Catalytic converter	55	Item 1
EVAP / gas cap	45	Item 3
Lean / cold-weather codes	10	Item 2
VVT-i	1	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 2000–2008 Corolla and 2003–2008 Matrix (not XRS), 2003–2008 Pontiac Vibe (not GT), 2000–2005 Celica GT and MR2 Spyder, 2000–2002 Chevrolet Prizm, pulled Oct 28, 2026 (ODI numbers in the cost notes) `OFFICIAL`
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Wikipedia: Toyota ZZ engine (1ZZ-FE oil consumption on 1998–2002 engines) `FORUM/BLOG`
https://en.wikipedia.org/wiki/Toyota_ZZ_engine

3. Bob Is The Oil Guy forum: oil consumption in the Toyota 1ZZ-FE (owner reports; revised pistons) `FORUM/BLOG`
https://www.bobistheoilguy.com/forums/threads/this-fixed-oil-consumption-in-toyota-1zz-fe-engine.168152

4. Toyota 04507: MIL on with DTC P0171, P030x and/or P0133: engine running lean in sub-freezing temperatures, 2003–2008 Corolla and Matrix (2007-10-27), filed with NHTSA `OFFICIAL`
https://www.nhtsa.gov/?nhtsaId=10023619

5. Toyota 00903: MIL on with DTC P1349 (VVT-i system malfunction), 2000–2003 Corolla and Celica (2003-05-19), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10001995

6. Toyota T-SB-0235-09: MIL on with DTC P0456 (EVAP very small leak): ECM logic modified, 2005–2008 Corolla and Matrix (2009-07-28), filed with NHTSA OFFICIAL
https://www.nhtsa.gov/?nhtsaId=10032518

7. NHTSA recall records: 10V-384 and 10V-387 (1ZZ-FE engine control module can crack), checked Oct 27, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=10V384000

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

No warranty

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