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

2015 Nissan Sentra at 87,000 mi

3N1AB7AP3FY123456

MODEL / CHASSIS	ENGINE	MILEAGE	DRIVETRAIN
Sentra · B17 Sentra SV 1.8 CVT	Nissan MR18DE / MR20DE / MR20DD and HR16DE fours	87,000 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 'F' = 2015, 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)

- **16V-244** · Air bags · passenger occupant sensor: If the passenger frontal air bag does not deploy as intended in the event of a crash, the passenger is at an increased risk of injury.
- **16V-242** · Air bags · passenger occupant sensor / belt bracket: If the frontal passenger air bag deploys in the event of a crash when a child seat is installed in the front passenger seat, there will be an increased risk of injury to the child in the CRS.
- **15V-453** · Door latches: A door that does not fully latch may result in the door opening while the car is moving.

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

Step 0 · Free: run the VIN at nhtsa.gov/recalls and ask a Nissan 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

CVT (continuously variable transmission): Inside the range (52,000–100,000 mi, the middle half of 497 owner reports) · if it fails: $3,800–$4,920

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 99,000 mi

Nothing scheduled here.

Within the next 30,000 miles up to 117,000 mi

Nothing else enters its reported range in this window.

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

Engine shuts off or hesitates from a stop in hot weather — $180

our price EXAMPLE

Inside the range (45,000–95,000 mi, the middle half of 155 owner reports) · Inspect at each service; fix at the first sign

EVAP vent control valve leak (P0456) — $290

our price EXAMPLE

Any mileage (All 2008-on Nissans in the bulletin) · Inspect at each service; fix at the first sign

Recommended now

$140

Springfield Auto Care prices (example)

Planned through 117,000 mi

From $697

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 87,000 mi to 117,000 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 Iridium/platinum plugs; replace early if gap exceeds spec.	every 105,000 mi	**Due at 105,000 mi** [M1][M2][M3]	**$249**
Engine coolant First change at 105,000 mi or 84 months (factory blue coolant), then every 75,000 mi or 60 months.	first at 105,000 mi, then every 75,000 mi or 5 years	**Due by age: 7-year limit passed (check records)** [M1][M2][M3][M4]	**From $179**
Brake fluid Nissan sets brake fluid at 24 months; the mileage figure follows that model year's oil-service interval.	every 20,000 mi or 2 years	**Was due at 80,000 mi and by age (check records)** [M1][M2][M3]	**$129**
CVT fluid Nissan normal schedule says inspect only; replace every 60,000 mi only under severe use (towing, rough or muddy roads).	no fixed interval	— [M1][M2][M3]	—

M1. Nissan USA official maintenance schedule lookup: 2016 Sentra (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.nissanusa.com/maintenance-schedules/2016/sentra/components/engine-coolant/

M2. Nissan USA official maintenance schedule lookup: 2021 Versa (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.nissanusa.com/maintenance-schedules/2021/versa/components/engine-coolant/

M3. Nissan USA official maintenance schedule lookup: 2022 Kicks (component pages, Standard Driving Conditions) OFFICIAL
https://maintenance-schedules.nissanusa.com/maintenance-schedules/2022/kicks/components/engine-coolant/

M4. 2011 Nissan Service and Maintenance Guide (Nissan North America, Pub. MB1E 0ALLU0) OFFICIAL
https://archive.org/details/manualzilla-id-6037219

M5. 2009 Nissan Service and Maintenance Guide (Nissan North America, Pub. MB9E-0ALLU3) OFFICIAL
https://archive.org/details/manualsonline-id-da55dbac-c063-433d-9f2d-509baa711699

WHERE 87K SITS FOR EACH WEAK POINT

#	WEAK POINT	REPORTED RANGE	THIS CAR
1	CVT (continuously variable transmission)	52,000–100,000 mi (middle half of 497 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Inside the range
2	Engine shuts off or hesitates from a stop in hot weather	45,000–95,000 mi (middle half of 155 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA	Inside the range
3	EVAP vent control valve leak (P0456)	All 2008-on Nissans in the bulletin 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 2015 Nissan Sentra

Safety recall repairs are free at Nissan 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 3N1AB7AP3FY123456.
2. Note every recall shown as “Recall incomplete” and keep a screenshot.
3. Ask a Nissan dealer for a campaign printout; it also lists completed campaigns.

1.6 HR16 / 1.8 MR18 / 2.0 MR20 recalls we track

Other 1.6 HR16 / 1.8 MR18 / 2.0 MR20 recalls we track, not listed by NHTSA for this model and year: 25V-676 (fuel pump can fail (2013–2021 NV200, 2015–2018 City Express)).

Every recall NHTSA lists for the 2015 Nissan Sentra (3)

Recall	Component	What can happen (NHTSA, shortened)
16V-244	Air bags · passenger occupant sensor	If the passenger frontal air bag does not deploy as intended in the event of a crash, the passenger is at an increased risk of injury. Details
16V-242	Air bags · passenger occupant sensor / belt bracket	If the frontal passenger air bag deploys in the event of a crash when a child seat is installed in the front passenger seat, there will be an increased risk of injury to the child in the CRS. Details
15V-453	Door latches	A door that does not fully latch may result in the door opening while the car is moving. Details

Source: NHTSA recalls API, fetched 2026-10-27 and combined across NHTSA model names: SENTRA. 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 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 (B17). Left out because they apply to other models, years, engine sizes or body codes: Cold long crank, rough idle and misfire (2017–2020 Rogue Sport).

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1 CVT (continuously variable transmission)

Inside the range

Severity: High: overheating, stalls, limp mode or a big bill · 2075 mentions in counted NHTSA complaints COMPUTED FROM NHTSA DATA

At 87,000 mi this car is inside the reported range (52,000–100,000 mi (middle half of 497 owner complaints that state a mileage)), 35,000 miles past where reports start. Range: 52,000–100,000 mi (middle half of 497 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: Most failures reported between about 60k and 120k; extensions covered 2012–2019 Versa and 2013–2019 Sentra

WHAT FAILS OFFICIAL [2][3][4]

The CVT that Nissan pairs with this engine is the most common big bill on these cars. Nissan extended CVT coverage to 7 years or 84,000 miles on many models after class actions; most of those windows have now ended.

SYMPTOMS

- Whine at highway speed
- Shudder or judder from a stop
- Slipping or "fail-safe" reduced speed
- Hesitation

IF IT'S LEFT TOO LONG

A failing CVT can leave the car in limp mode; replacement is the usual fix.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Change the CVT fluid on schedule and act on whine or shudder early; check the VIN for any open coverage first.

ESTIMATED REPAIR COST

CVT fluid change (routine price)	**Our price is in the plan above** ask us for a written quote
Owner-reported repair bills in NHTSA complaints (n=26)	**$3,800–$4,920** COMPUTED FROM NHTSA DATA [1] reported range for the bill after a failure

Where the numbers come from: Computed from 26 NHTSA owner complaints that quote a repair bill for this problem (middle half of the bills; median $4,180). Examples: ODI 11425388, 11524137, 11351041, 11181480. Owner-reported, often dealer prices; not shop quotes.

PARTS FOR B17

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

QUESTIONS TO ASK US

- CVT fluid ever changed?
- Any CVT repair or replacement?
- Whine, shudder or slipping?

2 Engine shuts off or hesitates from a stop in hot weather

Inside the range

Severity: Medium: leaks and wear · 1069 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

At 87,000 mi this car is inside the reported range (45,000–95,000 mi (middle half of 155 owner complaints that state a mileage)), 42,000 miles past where reports start. Range: 45,000–95,000 mi (middle half of 155 owner complaints that state a mileage) COMPUTED FROM NHTSA DATA [1]



Applies to: 2012–2017 Versa and Versa Note, 2013–2015 Sentra; above about 100°F

WHAT FAILS OFFICIAL [5][6]

In very hot weather the engine can hesitate or shut off when pulling away from a stop, then restart. Nissan reprograms the engine computer and, on 2013–2014 Sentras, replaces an orange PCV valve.

SYMPTOMS

- Engine stalls pulling away in hot weather
- Hesitation from a stop
- Restarts normally

IF IT'S LEFT TOO LONG

A stall in traffic is a safety risk.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Ask a Nissan dealer whether the ECM update was done.

ESTIMATED REPAIR COST

ECM reprogram (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 B17

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

QUESTIONS TO ASK US

- Any stalling in hot weather?

3 EVAP vent control valve leak (P0456)

Any mileage

Severity: Medium: leaks and wear · 18 mentions in counted NHTSA complaints

COMPUTED FROM NHTSA DATA

Reports cover a wide mileage span (All 2008-on Nissans in the bulletin), so mileage doesn't say much here. Range: All 2008-on Nissans in the bulletin OFFICIAL [8]

WHAT FAILS OFFICIAL [8]

The O-ring where the EVAP vent control valve mounts to the charcoal canister can leak, setting P0456 (very small EVAP leak). Nissan replaces the vent control valve as an assembly.

SYMPTOMS

- Check-engine light with P0456 after a gas-cap check

IF IT'S LEFT TOO LONG

ESTIMATED REPAIR COST

EVAP leak repair (parts $20–$200 + labor $100–$450)	**Our price is in the plan above** ask us for a written quote
Same job	**$120–$650** SHOP/RETAILER [9] reported range for the bill after a failure

PARTS FOR B17

No driveability problem; fails an emissions test.

IS IT WORTH DOING EARLY? OUR ESTIMATE

Fix when the light is on; check the gas cap first.

- 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 1.6 HR16 / 1.8 MR18 / 2.0 MR20 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
Airbags	1,768	Airbag complaints (including the Takata inflator recalls); not an engine fault.

6 · 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. 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/Nissan 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 Sentra 2007–2025 complaints that do not mention the SE-R, 2.5L, turbo or Nismo; all Versa, Versa Note, Rogue Sport, Kicks, Cube, NV200 and Chevrolet City Express complaints in those years: 8,501 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
CVT / transmission	2,075	Item 1
Airbags	1,768	Also reported
Stalling / hesitation	1,069	Item 2
Rough idle / misfire	23	Other years or engine sizes
EVAP / check engine	18	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 2007–2025 Sentra (not SE-R / turbo / Nismo), 2007–2025 Versa and Versa Note, 2017–2022 Rogue Sport, 2018–2025 Kicks, 2009–2014 Cube, 2013–2021 NV200 and 2015–2018 Chevrolet City Express, pulled Oct 27–28, 2026 (ODI numbers in the cost notes) OFFICIAL
https://www.nhtsa.gov/report-a-safety-problem#complaints

2. Nissan CVT Warranty Extension (May 11, 2020): 2012–2017 Versa, 2013–2017 Sentra, 2013–2016 Altima, 2013–2017 Juke: CVT coverage extended to 84 months/84,000 miles (2020-05-11), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2020/MC-10176204-0001.pdf

3. Nissan CVT Warranty Extension Rev1 (Nov 2, 2023): 2017–2018 Altima, 2018–2019 Sentra, Versa Sedan and Versa Note: CVT coverage extended to 84 months/84,000 miles (2023-11-02), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2023/MC-10246457-0001.pdf

4. Nissan NTB17-034i: 2013–2017 Sentra and Versa, 2014–2017 Versa Note: CVT judder and/or P0746/P0965/P17F0/P0846 (2019-06-26), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2019/MC-10162639-9999.pdf

5. Nissan NTB13-100e: Engine turns off or hesitates when accelerating from a stop in hot weather (+100°F), 2012–2017 Versa Sedan, 2014–2017 Versa Note: ECM reprogram (2018-06-28), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2018/MC-10144489-9999.pdf

6. Nissan NTB16-086: 2013–2015 Sentra: engine turns off or hesitates from a stop in hot weather; PCV valve check and ECM reprogram (2016-08-25), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2016/SB-10091541-2280.pdf

7. Nissan NTB17-113D: 2017–2020 Rogue Sport: when cold, long crank / engine turns off / hesitation / rough idle / misfire; ECM reprogram (2021-10-21), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2021/MC-10203835-0001.pdf

8. Nissan NTB17-082E: DTC P0456 caused by EVAP leak at the vent control valve O-ring (2008-on Nissan) (2022-02-07), filed with NHTSA OFFICIAL
https://static.nhtsa.gov/odi/tsbs/2022/MC-10208953-0001.pdf

9. Go-Parts: OBD P0442 Nissan Sentra 2015–2022 repair guide, via search extract Oct 27, 2026 SHOP/RETAILER
https://www.go-parts.com/garage/obd-p0442-nissan-sentra-2015-2022

10. NHTSA recall record 25V-676 (2013–2021 NV200 Van, 2014–2019 NV200 Taxi and 2015–2018 Chevrolet City Express: fuel pump), checked Oct 28, 2026 OFFICIAL
https://www.nhtsa.gov/recalls?nhtsaId=25V676000

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

No warranty

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