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

TECHNICIAN WORKSHEET · 4.0L VQ40DE V6
RA-VQ40-123456-20261028

2008 Nissan Frontier · D40 Frontier SE Crew Cab 4.0 V6 automatic · RWD

1N6AD07U88C123456

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
112,000			

A · RECALLS AND CAMPAIGNS TO VERIFY (DEALER PRINTOUT OR NHTSA.GOV)

10V-075 · Fuel tank can deform; gauge reads 1/4 tank when empty (2006 and 2008) ☐ Open ☐ Done ☐ N/A

23V-067 · Air bags · driver air bag cover emblem ☐ Open ☐ Done ☐ N/A

08V-690 · Air bags · front crash zone sensor ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Radiator cooler crack: coolant mixes into the automatic transmission

Check now · Past the range (80,000–106,000 mi, the middle half of 669 owner reports)

Pull the transmission dipstick (or check plug) and look for pink, milky fluid ☐ OK ☐ Watch ☐ Fix

Check the radiator part number / date ☐ OK ☐ Watch ☐ Fix

Road test for shudder and flare ☐ OK ☐ Watch ☐ Fix

ATF: clear red / milky

Scan for: P0730, P0744, P1730

Parts (D40): Ask your parts supplier for the OE part number for this VIN.

2. Timing chain guides and tensioner (whine)

Check now · Past the range (55,000–88,000 mi, the middle half of 62 owner reports)

Listen at the front cover across the rev range ☐ OK ☐ Watch ☐ Fix

Check cam/crank correlation data ☐ OK ☐ Watch ☐ Fix

Whine: none / faint / loud

Scan for: P0335, P0340, P0011, P0021

Parts (D40): Ask your parts supplier for the OE part number for this VIN.

3. Fuel gauge reads wrong (fuel level sending unit)

Check now · Past the range (39,000–66,000 mi, the middle half of 326 owner reports)

Scan for P0460–P0463 ☐ OK ☐ Watch ☐ Fix

Compare gauge to fuel added at fill-up ☐ OK ☐ Watch ☐ Fix

Scan for: P0460, P0461, P0462, P0463

Parts (D40): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 142,000 MI (ASK FOR RECORDS)

Spark plugs · every 105,000 mi · was due at 105,000 mi (check records) · $249 ☐ Done (records) ☐ Due ☐ Quoted

Engine coolant · first at 60,000 mi, then every 30,000 mi or 2 years · was due at 90,000 mi and by age (check records) · From $179 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 4.0L VQ40DE V6, QUICK CHECKS

- **Stalling / loss of power** (728 complaints): Mixed causes; includes recall 10V-517 (ECM relay, 2005–2006) and trucks that ran out of fuel with a wrong gauge.
- **Frame / brakes / steering** (639 complaints): Body and chassis complaints; not an engine fault.
- **Air bags** (527 complaints): Air bag recalls and complaints; not an engine fault.
- **Oil leak at the oil filter** (60 complaints): Few reports; recall 11V-592 replaced weak oil cooler bolts on 2011–2012 trucks.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Radiator cooler crack: coolant mixes into the automatic transmission

The radiator has a built-in cooler for the automatic transmission fluid. At 112,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $1,250, before tax and shop supplies.

Ask: have you noticed pink, milky transmission fluid, or shudder or slipping, harsh or flaring shifts?

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2. Timing chain guides and tensioner (whine)

Nissan describes a buzzing or whining noise from the timing chain area. At 112,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $2,200, before tax and shop supplies.

Ask: have you noticed whine or buzz from the front of the engine that rises with rpm, or cam/crank correlation codes?

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3. Fuel gauge reads wrong (fuel level sending unit)

The fuel gauge can be erratic or wrong, often with P0461, P0462 or P0463. At 112,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $480, before tax and shop supplies.

Ask: have you noticed gauge jumps around or never shows full, or low-fuel light at the wrong time?

Adjust after the inspection. The report is not a diagnosis or a guarantee, so say what the technician found, not what the report predicts.

NOTES FOR THE ADVISOR

Record findings here (OK / Watch / Fix and measurements); the advisor adjusts the quote before the handout is printed or sent.