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

TECHNICIAN WORKSHEET · 3.3L VG33E / VG33ER V6
RA-VG33-654321-20261028

2003 Nissan Xterra · WD22 Xterra XE V6 4x4 · 4WD

5N1ED28Y23C654321

ODOMETER IN: 168,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

04V-230 · Fuel pump terminal on the sending unit can corrode; engine may stall or not start — ☐ Open ☐ Done ☐ N/A

10V-554 · Steering · column — ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Fuel pump terminal corrodes on the sending unit: stall or no start (recall 04V-230)

Check now · Long past the range (39,000–68,000 mi, the middle half of 16 owner reports)

Long past the reported range: already repaired? Check the records and the part itself first — ☐ OK ☐ Watch ☐ Fix

Check the VIN for 04V-230 — ☐ OK ☐ Watch ☐ Fix

Check fuel pressure and pump voltage at the sender connector — ☐ OK ☐ Watch ☐ Fix

Look for corrosion at the sender terminal — ☐ OK ☐ Watch ☐ Fix

Fuel pressure: ___ psi

Parts (WD22): Ask your parts supplier for the OE part number for this VIN.

2. Cracked right-hand exhaust manifold (tick, exhaust smell)

Watch · Any mileage (1999–2001 Frontier and 2000–2001 Xterra (bulletin); owners report it on later trucks too)

Listen for a cold-start tick at the right bank — ☐ OK ☐ Watch ☐ Fix

Inspect the manifold for cracks and broken studs — ☐ OK ☐ Watch ☐ Fix

Manifold: OK / cracked / broken stud

Parts (WD22): Ask your parts supplier for the OE part number for this VIN.

3. Rough idle, misfire or wet-weather stalling (mounts, injectors, distributor)

Watch · Any mileage (1999–2000 Frontier and 2000 Xterra bulletins; injector cleaning bulletin for several Nissans)

Scan for P0300-series codes — ☐ OK ☐ Watch ☐ Fix

Inspect the distributor cap and seal for water — ☐ OK ☐ Watch ☐ Fix

Check the engine mounts — ☐ OK ☐ Watch ☐ Fix

Scan for: P0300, P0301, P0302, P0303, P0304, P0305, P0306

Parts (WD22): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 198,000 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 150,000 mi and by age (check records) · From $179 — ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.3L VG33E / VG33ER V6, QUICK CHECKS

- **Brakes** (307 complaints): Brake complaints (ABS, rotors, lines); not engine faults.
- **Frame, axle and body rust** (231 complaints): Body, fuel-tank, rear-axle and frame rust (recalls 02V-299 rear axle, 11V-244 Pathfinder frame); not an engine fault.
- **Steering / suspension** (230 complaints): Steering and suspension complaints (recall 10V-554 steering shaft on 2002–2004 Frontier); not engine faults.
- **Air bags** (140 complaints): Air bag complaints; not engine faults.
- **Stalling** (139 complaints): Most stalls in these complaints are the fuel-pump terminal (recall 04V-230), covered under that weak point; the rest have mixed causes.
- **Automatic transmission** (104 complaints): Transmission complaints are spread across shifting and clutch faults; no single bulletin pattern on this engine.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Fuel pump terminal corrodes on the sending unit: stall or no start (recall 04V-230)

The fuel pump terminal on the fuel-sending unit (in the tank) can crack, let water in and corrode until the pump loses power. At 168,000 mi it may already have been fixed, so we check the records and the part first. Our price is $550, before tax and shop supplies.

Ask: have you noticed engine dies while driving and will not restart, or cranks but will not start?

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.