SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · 4.6L NORTHSTAR V8 (LD8 / L37 / LH2)
RA-GMNS-123456-20261027

2003 Cadillac DeVille · DeVille 4.6L Northstar sedan · FWD

1G6KD54Y63U123456

ODOMETER IN: 110,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

03V-238 · Fuel tank pressure sensor may fail (2002–2003 DeVille and Seville 4.6L) ☐ Open ☐ Done ☐ N/A

14V-355 · Ignition switch · key position ☐ Open ☐ Done ☐ N/A

03V-051 · Air bags · driver frontal inflator ☐ Open ☐ Done ☐ N/A

02V-222 · Air bags · driver frontal inflator ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Head gasket leaks from pulled head bolt threads

Watch · Any mileage (Mostly higher-mileage 1994–2005 engines; any age after overheating)

- Combustion gas (block) test on the coolant ☐ OK ☐ Watch ☐ Fix
- Cooling-system pressure test ☐ OK ☐ Watch ☐ Fix
- Check coolant level and condition ☐ OK ☐ Watch ☐ Fix
- Block test: pass / fail
- Scan for: P0117, P0118, P0128
- Parts (K-body): Ask your parts supplier for the OE part number for this VIN.

2. Oil leaks from the lower crankcase and oil pan

Watch · Any mileage (2000–2004 cars in the GM sealing bulletin; any high-mileage Northstar)

- Look under the engine for wet seams between the block halves ☐ OK ☐ Watch ☐ Fix
- Check oil on the exhaust ☐ OK ☐ Watch ☐ Fix
- Leak: dry / seep / drip
- Parts (K-body): Ask your parts supplier for the OE part number for this VIN.

3. High oil consumption

Watch · Any mileage (2000–2003 DeVille, Eldorado and Seville in the GM bulletins; any high-mileage Northstar)

- Oil-consumption test ☐ OK ☐ Watch ☐ Fix
- Check plugs for oil fouling ☐ OK ☐ Watch ☐ Fix
- Oil use per 1,000 mi: ___ qt
- Scan for: P0300
- Parts (K-body): Ask your parts supplier for the OE part number for this VIN.

4. Crankshaft position sensors (stall, no start)

Watch · Any mileage (2000–2003 DeVille, Eldorado and Seville)

- Scan for crank sensor codes ☐ OK ☐ Watch ☐ Fix
- Check the sensor wiring ☐ OK ☐ Watch ☐ Fix
- Scan for: P0335, P0336, P0337, P0338
- Parts (K-body): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 140,000 MI (ASK FOR RECORDS)

Spark plugs · every 100,000 mi · was due at 100,000 mi (check records) · $249 ☐ Done (records) ☐ Due ☐ Quoted

Engine coolant · every 150,000 mi or 5 years · due by age: every 5 years (check records) · From $179 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 4.6L NORTHSTAR V8 (LD8 / L37 / LH2), QUICK CHECKS

- **Stalling / loss of power** (290 complaints): Mixed causes: crank sensors, fuel pumps and electrical faults.
- **Transmission** (117 complaints): Counts every transmission complaint (4T80-E and 5L50 automatics); not an engine fault.

NOTES FOR THE ADVISOR

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

Reference only. Follow Cadillac repair procedures and your shop's judgment.