SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · 3.6L / 3.0L V6 (LY7 / LLT / LFX / LGX / LFY)
RA-GM36-123456-20261028

2011 Chevrolet Traverse · Traverse LT 3.6 V6 FWD · FWD

1GNKRGEDXBJ123456

ODOMETER IN: 115,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

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

21V-246 · Air bags · side curtain attachment — ☐ Open ☐ Done ☐ N/A

14V-266 · Seat belts · front buckle cable — ☐ Open ☐ Done ☐ N/A

14V-118 · Air bags · seat side air bag wiring — ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Timing chain stretch (P0008 / P0016–P0019)

Check now · Past the range (68,000–108,000 mi, the middle half of 222 owner reports)

- Scan for cam/crank correlation codes — ☐ OK ☐ Watch ☐ Fix
- Read cam position variation values — ☐ OK ☐ Watch ☐ Fix
- Cold-start listen — ☐ OK ☐ Watch ☐ Fix
- Cam/crank correlation: in spec / near limit / out
- Scan for: P0008, P0009, P0016, P0017, P0018, P0019
- Parts (Lambda): Ask your parts supplier for the OE part number for this VIN.

2. Bearing knock and seized engines

Check now · Past the range (22,000–100,000 mi, the middle half of 61 owner reports)

- Listen for bottom-end knock — ☐ OK ☐ Watch ☐ Fix
- Oil pressure test — ☐ OK ☐ Watch ☐ Fix
- Scan for: P0521
- Parts (Lambda): Ask your parts supplier for the OE part number for this VIN.

3. Moved crankshaft reluctor (same codes as chain stretch)

Watch · Any mileage (High Feature V6 engines with P0016–P0019 codes)

- Inspect crankshaft reluctor position per PIP3423 — ☐ OK ☐ Watch ☐ Fix
- Scan for: P0016, P0017, P0018, P0019
- Parts (Lambda): Ask your parts supplier for the OE part number for this VIN.

4. Engine oil in the coolant

Watch · Any mileage (2010–2020 3.0L and 3.6L V6 (LLT, LFX, LGX and others))

- Inspect the coolant reservoir for oil — ☐ OK ☐ Watch ☐ Fix
- Pressure-test the oil cooler — ☐ OK ☐ Watch ☐ Fix
- Coolant: clean / oily
- Parts (Lambda): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 145,000 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

Automatic transmission fluid · every 100,000 mi · was due at 100,000 mi (check records) · $259 — ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.6L / 3.0L V6 (LY7 / LLT / LFX / LGX / LFY), QUICK CHECKS

- **Transmission** (2612 complaints): Counts every transmission complaint (6-, 8- and 9-speed automatics); not an engine fault.
- **Stalling / loss of power** (1404 complaints): Mixed causes; some describe stretched timing chains, others electrical faults.
- **Water pump / coolant loss** (243 complaints): Owners report water pump leaks; no GM program covers them on these engines.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Timing chain stretch (P0008 / P0016–P0019)

The timing chains on GM's High Feature V6 can stretch and set cam/crank correlation codes P0008, P0009 and P0016–P0019. At 115,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $1,550, before tax and shop supplies.

Ask: have you noticed check-engine light with P0008, P0009 or P0016–P0019, or rattle at cold start?

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2. Bearing knock and seized engines

GM has a bulletin with rules for when a High Feature V6 with a knock, a seized engine or bearing failure must be replaced rather than repaired. At 115,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking.

Ask: have you noticed knocking from the bottom of the engine, or low oil pressure?

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.