SAC

Springfield Auto Care EXAMPLE SHOP

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TECHNICIAN WORKSHEET · 6.2L V8 GEN IV (L92 / L94 / L9H / L99 / LS3 / LSA)
RA-G62G4-123456-20261028

2011 Cadillac Escalade · Escalade 6.2L V8 (L94) AWD · AWD

1GYS4BEF0BR123456

ODOMETER IN: 132,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

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

21V-050 · Passenger air bag inflator can explode (2007–2011 Escalade, Yukon, Sierra, Silverado; hot-state cars)	☐ Open ☐ Done ☐ N/A
21V-054 · Air bags · frontal · passenger side	☐ Open ☐ Done ☐ N/A
14V-827 · Electrical system · ignition	☐ Open ☐ Done ☐ N/A
11V-339 · Steering · linkages	☐ Open ☐ Done ☐ N/A
11V-007 · Suspension · rear · axle	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. AFM valve lifters and camshaft (tick, misfire, cam damage)

Check now · Inside the range (90,500–141,400 mi, the middle half of 15 owner reports)

Listen at cold start after a 2-hour sit	☐ OK ☐ Watch ☐ Fix
Read misfire counters and P3400	☐ OK ☐ Watch ☐ Fix
Compression and leak-down on a misfiring cylinder	☐ OK ☐ Watch ☐ Fix

Lifter tick: none / brief / constant

Scan for: P0300, P0301, P0304, P0307, P3400

Parts (GMT900): Ask your parts supplier for the OE part number for this VIN.

2. Oil consumption on AFM engines

Check now · Long past the range (GM says it shows from about 30,000–40,000 mi)

Long past the reported range: already repaired? Check the records and the part itself first	☐ OK ☐ Watch ☐ Fix
Oil consumption test	☐ OK ☐ Watch ☐ Fix
Inspect plugs 1 and 7	☐ OK ☐ Watch ☐ Fix
Check the PCV system	☐ OK ☐ Watch ☐ Fix

Oil use: quarts per 1,000 mi

Scan for: P0300, P0301, P0307

Parts (GMT900): Ask your parts supplier for the OE part number for this VIN.

3. Low oil pressure warnings and cam timing code P0011

Watch · Any mileage (mostly 2007 Escalade owners in the complaints)

Mechanical oil pressure test hot and cold	☐ OK ☐ Watch ☐ Fix
Confirm a PF48-type filter	☐ OK ☐ Watch ☐ Fix
Scan for P0011 and P0521	☐ OK ☐ Watch ☐ Fix

Oil pressure at hot idle: psi

Scan for: P0011, P0521, P0524

Parts (GMT900): Ask your parts supplier for the OE part number for this VIN.

4. Aftermarket tunes and melted pistons (no compression)

Watch · Any mileage (engines with aftermarket calibrations or parts)

Look for an aftermarket intake, exhaust or tuner	☐ OK ☐ Watch ☐ Fix
Check ECM calibration IDs	☐ OK ☐ Watch ☐ Fix

Calibration: stock / modified

Scan for: P0300

Parts (GMT900): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 162,000 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 6.2L V8 GEN IV (L92 / L94 / L9H / L99 / LS3 / LSA), QUICK CHECKS

- **Air bags** (775 complaints): Mostly SUV owners asking about the Takata passenger air bag recalls (21V-050, 21V-054). Not an engine fault; check the VIN.
- **Transmission** (128 complaints): Counts every transmission and clutch complaint (6L80 automatic in the trucks, SUVs and Camaro; manual clutch hydraulics in the Corvette and Camaro). Not an engine fault.
- **Stall** (92 complaints): Mixed causes, including the 2009 fuel pump control module recall (09V-154) on the SUVs. Check recalls first.
- **Rear differential** (26 complaints): Mostly CTS-V owners reporting rear differential or axle noise and failure. Not an engine fault.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. AFM valve lifters and camshaft (tick, misfire, cam damage)
On engines with Active Fuel Management (cylinder deactivation), the special lifters that switch cylinders off can stick or collapse. At 132,000 mi your car is in the mileage range where owners report it. Our price is $4,500, before tax and shop supplies. Left until it fails, published repair bills run $7,500.
Ask: have you noticed ticking from the top of the engine, worst after a cold start, or misfire on one cylinder, often 1, 4 or 7?

2. Oil consumption on AFM engines
GM says oil can be pulled through the PCV system or sprayed from the AFM pressure relief valve inside the crankcase. At 132,000 mi it may already have been fixed, so we check the records and the part first. Our price is $450, before tax and shop supplies.
Ask: have you noticed oil level drops between changes, or fouled or cracked spark plugs on cylinders 1 and 7?

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.

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