SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · 2.4L THETA (G4KC)
RA-SON24-123456-20261028

2008 Hyundai Sonata · NF Sonata GLS 2.4 · FWD

5NPET46C38H123456

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

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

13V-354 · Suspension · rear lower control arm (salt-belt states) — ☐ Open ☐ Done ☐ N/A

13V-113 · Brake lights · stop lamp switch — ☐ Open ☐ Done ☐ N/A

08V-161 · Air bags · passenger occupant classification — ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Throttle body deposits (idle and stalling)

Now · Past the range (22,000–84,000 mi, the middle half of 18 owner reports)

Inspect the throttle bore for carbon — ☐ OK ☐ Watch ☐ Fix

Check idle speed and throttle DTCs — ☐ OK ☐ Watch ☐ Fix

Throttle bore: clean / light / heavy carbon

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

2. Oil consumption and engine wear

Check now · Inside the range (42,000–115,000 mi, the middle half of 29 owner reports)

Check oil level and condition — ☐ OK ☐ Watch ☐ Fix

Look for oil leaks first — ☐ OK ☐ Watch ☐ Fix

Listen for knock at warm idle — ☐ OK ☐ Watch ☐ Fix

Oil used per 1,000 miles

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

3. CVVT oil control valve (rough idle, cam timing codes)

Watch · Any mileage (2.4L engines with CVVT; Kia bulletin for Optima and Rondo)

Scan for P0011 / P0014 — ☐ OK ☐ Watch ☐ Fix

Check oil level and condition — ☐ OK ☐ Watch ☐ Fix

Scan for: P0011, P0014, P0300

Parts (NF): 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 97,500 mi · was due at 97,500 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

Automatic transmission fluid · every 105,000 mi · was due at 105,000 mi (check records) · $259 — ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 2.4L THETA (G4KC), QUICK CHECKS

- **Air bags** (1165 complaints): Occupant-classification and air bag complaints dominate these cars; not an engine fault (Kia extended the Optima OCS mat warranty).
- **Transmission** (227 complaints): Shift-quality and range-switch complaints; not an engine fault.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Throttle body deposits (idle and stalling)
Carbon deposits build up where the throttle valve meets its bore. At 115,000 mi it is due, unless the records show it done. Our price is $180, before tax and shop supplies. Left until it fails, published repair bills run $520–$940.
Ask: have you noticed unstable or low idle, or stalls when coming to a stop?

2. Oil consumption and engine wear
Some engines use more oil than expected as they age. At 115,000 mi your car is in the mileage range where owners report it. Our price is $310, before tax and shop supplies.
Ask: have you noticed oil level low between changes, or blue smoke?

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 Hyundai repair procedures and your shop's judgment.