SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · 2.5 / 2.7L DELTA-MU AND 3.0 / 3.5L SIGMA V6
RA-SFV6-123456-20261028

# 2005 Hyundai Santa Fe · SM Santa Fe GLS 2.7 V6 FWD · FWD

KM8SC13D95U123456

ODOMETER IN: 125,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

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

**14V-435** · Suspension · front coil springs (salt-belt states) ☐ Open ☐ Done ☐ N/A

**05V-527** · Air bags · passenger occupant classification ☐ Open ☐ Done ☐ N/A

**05V-450** · Air bags · passenger occupant classification ☐ Open ☐ Done ☐ N/A

03V-030 (Crankshaft position sensor can fail (2001–2002 Santa Fe 2.7 V6)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

03V-067 (Crankshaft position sensor can fail (2001–2002 Optima 2.5 / 2.7 V6)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

05V-013 (Throttle cable can twist out of position (2002–2003 Sedona)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

05V-329 (Throttle cable can freeze (2003–2005 Sedona)): not listed by NHTSA for MY2005. Confirm on the dealer printout.

## B · INSPECTION POINTS, IN PLAN ORDER

### 1. Timing belt (interference engine)

Now · Past the range (60,000–79,000 mi, the middle half of 13 owner reports)

Look for a timing belt sticker or receipt ☐ OK ☐ Watch ☐ Fix

Inspect the belt through the cover if possible ☐ OK ☐ Watch ☐ Fix

Belt: documented / unknown

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

### 2. Crankshaft position sensor (stalling)

Check now · Past the range (30,000–78,000 mi, the middle half of 45 owner reports)

Scan for crank sensor codes ☐ OK ☐ Watch ☐ Fix

Check the VIN for open recalls ☐ OK ☐ Watch ☐ Fix

Watch the tachometer during a test drive ☐ OK ☐ Watch ☐ Fix

Scan for: P0335, P0336

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

### 3. Throttle position sensor and throttle control faults

Watch · Long past the range (23,000–58,000 mi, the middle half of 12 owner reports)

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

Scan for P2135 / P0638 / P0123 ☐ OK ☐ Watch ☐ Fix

Check throttle return (Sedona) ☐ OK ☐ Watch ☐ Fix

Scan for: P2135, P0638, P0123

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

## FACTORY MAINTENANCE DUE BY 155,000 MI (ASK FOR RECORDS)

**Spark plugs** · every 60,000 mi · was due at 120,000 mi (check records) · $249 ☐ Done (records) ☐ Due ☐ Quoted

**Engine coolant** · every 30,000 mi or 2 years · was due at 120,000 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 2.5 / 2.7L DELTA-MU AND 3.0 / 3.5L SIGMA V6, QUICK CHECKS

- **Brakes** (873 complaints): Brake complaints on these vehicles; not an engine fault.
- **Transmission** (287 complaints): Counts every automatic transmission complaint; not an engine fault.
- **Engine fire** (172 complaints): Mixed causes in the text (fuel tank leaks, electrical, driveline); no engine fire recall covers these V6s.

## WHAT TO SAY AT THE COUNTER (ADVISOR)

**1. Timing belt (interference engine)**

These V6 engines use a rubber timing belt, and they are interference engines: if the belt breaks, the valves hit the pistons. At 125,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $1,260, before tax and shop supplies.

Ask: have you noticed ticking or whine from the belt cover, or engine stops and will not restart?

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**2. Crankshaft position sensor (stalling)**

Early crankshaft position sensors were built with cases out of spec, so epoxy reached the circuit board and the sensor could fail. At 125,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $1,600, before tax and shop supplies.

Ask: have you noticed engine stalls while driving, or crank but no start, then starts after cooling?

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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.