SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · 3.0L VULCAN V6
RA-FDVU-123456-20261028

2004 Ford Taurus · Taurus SE sedan 3.0 Vulcan automatic · FWD

1FAFP53UX4A123456

ODOMETER IN: 112,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

No tracked engine recalls listed for this model year.

B · INSPECTION POINTS, IN PLAN ORDER

1. AX4N / 4F50N automatic transaxle (shudder, no upshift, leaks)

Check now · Past the range (49,000–95,000 mi, the middle half of 121 owner reports)

- Road test for 3-4 shudder and upshifts — ☐ OK ☐ Watch ☐ Fix
- Check fluid condition and leaks — ☐ OK ☐ Watch ☐ Fix
- Scan for P0732 — ☐ OK ☐ Watch ☐ Fix
- Fluid: clean / dark / burnt

Scan for: P0732

Parts (D186): Ask your parts supplier for the OE part number for this VIN.

2. Camshaft synchronizer and cam sensor (surge, stall, P0340)

Watch · Any mileage (2000–2008 Vulcan engines; Ford bulletins on the gear-driven synchronizer)

- Scan for P0340, P1309, P1336 — ☐ OK ☐ Watch ☐ Fix
- Look for oil seepage at the synchronizer housing — ☐ OK ☐ Watch ☐ Fix

Scan for: P0340, P1309, P1336

Parts (D186): Ask your parts supplier for the OE part number for this VIN.

3. Lower engine oil leaks (oil pan, oil filter area)

Watch · Any mileage (2000–2004 Vulcan engines (Ford bulletins))

- Inspect the oil filter adapter area and the oil pan rail for wet oil — ☐ OK ☐ Watch ☐ Fix
- Leak: dry / seep / wet

Parts (D186): Ask your parts supplier for the OE part number for this VIN.

4. Spark knock and detonation

Watch · Any mileage (2000–2006 Vulcan engines; Ford warns of possible engine damage on 2004–2006 Taurus and Sable)

- Road test for knock under load — ☐ OK ☐ Watch ☐ Fix
- Check spark plugs for detonation damage — ☐ OK ☐ Watch ☐ Fix
- Check EGR flow — ☐ OK ☐ Watch ☐ Fix

Scan for: P0300

Parts (D186): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 142,000 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** · first at 100,000 mi, then every 50,000 mi or 3 years · was due at 100,000 mi and by age (check records) · From $179 — ☐ Done (records) ☐ Due ☐ Quoted
- **Automatic transmission fluid** · every 30,000 mi · was due at 90,000 mi, next 120,000 mi · $259 — ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.0L VULCAN V6, QUICK CHECKS

- **Suspension / coil springs** (1809 complaints): Front coil spring breakage on the Taurus is a chassis issue, not an engine fault.
- **Brakes** (1321 complaints): Brake complaints; not engine faults.
- **Throttle sticking / high idle** (109 complaints): Owner reports of a sticking throttle or high idle; Ford has an idle air control (IAC) diagnostic bulletin. Mixed causes; diagnose case by case.
- **EGR sensor** (18 complaints): Ford program 02M01 extended coverage on the tube-mounted EGR pressure sensor on 2000–2003 vehicles; long expired.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. AX4N / 4F50N automatic transaxle (shudder, no upshift, leaks)

The 4-speed automatic in the Taurus and Sable is the most common complaint on these cars. At 112,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $390, before tax and shop supplies. Left until it fails, published repair bills run $1,930–$3,100.

Ask: have you noticed shudder on the 3-4 shift, or no upshift or slipping?

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.