SAC **Springfield Auto Care** EXAMPLE SHOP
service@springfield-auto-care.example

TECHNICIAN WORKSHEET · 3.8L / 3.9L / 4.2L ESSEX V6
RA-FDES-234560-20261028

2005 Ford Freestar · Freestar SEL minivan 4.2 V6 automatic · FWD

2FMZA52205BA23456

ODOMETER IN: 118,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

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

12V-006 · Torque converter output shaft can fail (2004–2005 Freestar and Monterey) ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Torque converter output shaft recall (sudden loss of drive)

Recall · Listed for this model and year: check by VIN

Dealer campaign history for 12V-006 ☐ OK ☐ Watch ☐ Fix

Road test for drive engagement ☐ OK ☐ Watch ☐ Fix

Recall: done / open / not listed

Parts (V229): Ask your parts supplier for the OE part number for this VIN.

2. AX4N / 4F50N automatic transaxle (slipping, harsh or no upshift, leaks)

Check now · Past the range (46,000–80,000 mi, the middle half of 540 owner reports)

Road test for upshifts, 3-4 shudder and slipping ☐ OK ☐ Watch ☐ Fix

Check fluid level and condition the bulletin way ☐ OK ☐ Watch ☐ Fix

Scan for P0732, P0760, P0763 ☐ OK ☐ Watch ☐ Fix

Fluid: clean / dark / burnt

Scan for: P0732, P0760, P0763

Parts (V229): Ask your parts supplier for the OE part number for this VIN.

3. Lower intake manifold gasket leaks (coolant loss, lean codes P0171/P0174)

Watch · Any mileage (Ford lean-code bulletins for the 3.8L and 4.2L (2000–2004 vehicles))

Smoke-test the intake for vacuum leaks ☐ OK ☐ Watch ☐ Fix

Pressure-test the cooling system ☐ OK ☐ Watch ☐ Fix

Scan for P0171, P0174 ☐ OK ☐ Watch ☐ Fix

Coolant level: full / low

Scan for: P0171, P0174

Parts (V229): Ask your parts supplier for the OE part number for this VIN.

4. Head gasket leaks (coolant loss, overheating)

Watch · Any mileage (15 owner complaints, mostly 2000–2001 Windstar; Ford bulletin on repaired aluminum-head engines)

Combustion leak (block) test ☐ OK ☐ Watch ☐ Fix

Cooling system pressure test ☐ OK ☐ Watch ☐ Fix

Check oil for coolant ☐ OK ☐ Watch ☐ Fix

Block test: pass / fail

Parts (V229): Ask your parts supplier for the OE part number for this VIN.

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

Watch · Any mileage (Ford bulletin 02221 on gear-driven synchronizers (2000–2003 vehicles); 22 owner complaints, mostly Freestar)

Scan for P0340 ☐ OK ☐ Watch ☐ Fix

Look for oil seepage at the synchronizer housing ☐ OK ☐ Watch ☐ Fix

Scan for: P0340

Parts (V229): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 148,000 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 3.8L / 3.9L / 4.2L ESSEX V6, QUICK CHECKS

- **Brakes** (3041 complaints): Brake complaints, mostly Windstar; not engine faults.
- **Stalling** (682 complaints): Stalling reports come from several causes (torque converter and transmission faults, intake leaks, sensors); diagnose case by case. Ford program 06B37 checked the crankshaft sensor connector on some 2006 Freestar and Monterey vans.
- **Front suspension / control arms** (387 complaints): Windstar front control arm brackets and subframe mounts corrode (recall 12V-194 for Virginia vans); a chassis issue, not an engine fault.
- **Sliding door** (214 complaints): Minivan sliding door faults; body issue, not an engine fault.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. AX4N / 4F50N automatic transaxle (slipping, harsh or no upshift, leaks)
The 4-speed automatic is the single biggest complaint on the Windstar, Freestar and Monterey. At 118,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $300, before tax and shop supplies. Left until it fails, published repair bills run $1,600–$3,008.
Ask: have you noticed slipping or flaring between gears, or no 1-2 upshift; check-engine light with P0732?

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 Ford repair procedures and your shop's judgment.