SEA

Springfield Euro Auto EXAMPLE SHOP

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TECHNICIAN WORKSHEET · 2.5/3.0L AJ-V6
RA-JAJV6-123456-20261028

2004 Jaguar X-Type · X400 X-Type 3.0 sedan · AWD

SAJEA51C24W123456

ODOMETER IN: 110,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

04V-460 · Fuel filler cap can be over-tightened and leak in a rollover (2004 X-Type) ☐ Open ☐ Done ☐ N/A

04V-024 (Gearbox may select reverse (2003–2004 S-Type)): not listed by NHTSA for MY2004. Confirm on the dealer printout.

05V-503 (Park may not engage (2006 S-Type)): not listed by NHTSA for MY2004. Confirm on the dealer printout.

B · INSPECTION POINTS, IN PLAN ORDER

1. Automatic transmission harsh shifts and failure

Check now · Past the range (39,000–58,000 mi, the middle half of 30 owner reports)

- Road test cold and warm ☐ OK ☐ Watch ☐ Fix
- Check fluid condition and stored transmission codes ☐ OK ☐ Watch ☐ Fix

Parts (X400): Ask your parts supplier for the OE part number for this VIN.

2. Crankcase breather (PCV) faults: rough idle and check-engine light

Watch · Any mileage (2000–2001 S-Type and 2002 X-Type service actions; check any AJ-V6)

- Smoke-test the intake for leaks ☐ OK ☐ Watch ☐ Fix
- Inspect the breather valve and elbow ☐ OK ☐ Watch ☐ Fix
- Fuel trims at idle (%)

Scan for: P0171, P0174

Parts (X400): Ask your parts supplier for the OE part number for this VIN.

3. Coolant leaks: thermostat housing and pump hose

Watch · Any mileage (Service actions for 2002–2003 X-Type and 2000–2005 S-Type; check any AJ-V6)

- Pressure-test the cooling system ☐ OK ☐ Watch ☐ Fix
- Inspect the thermostat housing and pump hoses ☐ OK ☐ Watch ☐ Fix

Scan for: P0128, P0217

Parts (X400): Ask your parts supplier for the OE part number for this VIN.

4. Water in coil wells and sensor connectors (misfire, limp mode)

Watch · Any mileage (S-Type 2000–2004 bulletins; X-Type shares the engine)

- Inspect coil wells for water or corrosion ☐ OK ☐ Watch ☐ Fix
- Check knock sensor and throttle sensor connectors ☐ OK ☐ Watch ☐ Fix

Scan for: P0300, P0332, P0121

Parts (X400): Ask your parts supplier for the OE part number for this VIN.

5. Pinging under acceleration (engine software)

Watch · Long past the range (22,000–47,000 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
- Check fuel trims and knock retard ☐ OK ☐ Watch ☐ Fix
- Check ECM software level ☐ OK ☐ Watch ☐ Fix

Parts (X400): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE

Not on this report for this car. Check the service records and the maker's schedule (brake fluid, spark plugs, coolant, transmission fluid). ☐ Records checked ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 2.5/3.0L AJ-V6, QUICK CHECKS

- **Brakes / suspension** (353 complaints): Many complaints are about brakes and suspension, not the engine.
- **Stalling / loss of power** (92 complaints): Mixed causes: transmission, throttle sensor and electrical faults; see the weak points.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Automatic transmission harsh shifts and failure
Jaguar has bulletins for harsh or slow shifts on these V6 cars, caused by the transmission's adaptive shift strategy drifting; the fix reprograms the transmission and engine control modules. At 110,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking.
Ask: have you noticed harsh or slow shifts, or slipping or flare between gears?

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.