JAGUAR XJ40 (2.9 / 3.6 / 3.2 / 4.0 / SOVEREIGN)

Engine: **2.9L / 3.2L / 3.6L / 4.0L AJ6 24V All-Alloy Inline-6**
Transmission: **ZF 4HP22/24 4-Speed Auto / Getrag 290 5-Speed**

PRE-PURCHASE BUYER'S FIELD INSPECTION SHEET (1986–1994)

VEHICLE REGISTRATION	CHASSIS / VIN NUMBER	RECORDED MILEAGE	ASKING PRICE
.....	.....	.....	£ .....

1. CRITICAL STRUCTURAL ROT TRAPS

ADVANCED MONOCOQUE INTEGRITY

PASS	INSPECTION POINT	SPECIFIC WEAR INDICATOR & DEFECT SIGN
☐	**Front Bulkhead & Blower Motor Wells**	Inspect wiper scuttle drains and lower firewall corners. Blocked drains pool water into the climate blower motor housings, rusting the bulkhead into the cabin.
☐	**Outer Sills & Front Jacking Points**	Examine full boxed length of outer sills and front jacking brackets. Tap underside; moisture trapped behind factory plastic threshold covers causes hidden collapse.
☐	**Rear Wheelarch Lips & Radius Mounts**	Check inner and outer rear wheelarch return lips and trailing radius arm floorpan attachment pockets. Rot weakens radius mounts, causing rear-wheel steering sway.
☐	**Rear Screen Surround & Boot Floor**	Check bottom corners of rear screen. Water leaking through perished rear glass bonding drains into parcel shelf and pools inside boot side drop-wells.

2. MECHANICAL TRIAGE & RUNNING GEAR

COLD START TO OPERATING TEMP

PASS	SYSTEM / COMPONENT	TARGET TOLERANCES & OPERATIONAL CHECKS
☐	**AJ6 Engine Oil Pressure & Gasket** **Spec: 40–55 Cold | 20+ Hot**	AJ6 24-valve engine. Check oil pressure on dashboard gauge. Inspect spark plug wells for oil leaks (rocker gasket seals); check cylinder head rear for coolant seepage.
☐	**Hydraulic SLS Rear Suspension**	Early XJ40s featured engine-driven hydraulic self-leveling rear suspension (SLS). Check for green fluid leaks; sagging rear or harsh ride indicates failed SLS struts.
☐	**Digital Instrument VCM Display** **Vehicle Condition Monitor**	Turn ignition on. Test electronic dash cluster and dot-matrix Vehicle Condition Monitor (VCM) for dead pixels, false bulb-failure warnings, and sensor glitches.
☐	**ZF 4HP22/24 Automatic Gearbox**	ZF 4-speed automatic with "J-Gate" shifter. Test smooth shifts between gears; check reverse engagement delay and ensure gearbox does not slip in 4th overdrive.

Model & Identity Verification: Stamped VIN plate on front slam panel and lower windscreen corner (Prefix: SAJJHM...). Verify engine displacement code on block deck (Prefix: 9DPAMA for 4.0L AJ6) and check SLS-to-standard coil conversion status on V5C.

3. DEFECT LEDGER & NEGOTIATION DEDUCTIONS

UK MARKET BENCHMARKS

OBSERVED DEFECT / REQUIRED WORK	ESTIMATED UK REMEDY	DEDUCTION APPLIED
Failed Hydraulic Self-Leveling Suspension (Coil Spring Swap)	£850 – £1,400 (Standard shock/spring kit & plumbing blank)	£
Perforated Outer Sills & Front Bulkhead Metal Welding	£1,100 – £1,800 (Structural sill & firewall fabrication)	£
Digital Instrument Cluster & VCM Display Overhaul	£450 – £750 (Electronic cluster repair & solder reflow)	£
AJ6 Cylinder Head Gasket & Rocker Cover Reseal	£650 – £1,100 (Gasket kit, machining & plug well seals)	£
TOTAL DEDUCTIONS FROM ASKING PRICE	MAX REVISED OFFER:	£