FORD SIERRA RS COSWORTH (3-DOOR / RS500)

Engine: **1993cc Cosworth YBB / YBD 16V Turbocharged**
Transmission: **Borg-Warner T5 5-Speed Manual**

PRE-PURCHASE BUYER'S FIELD INSPECTION SHEET (1986–1987)

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

1. CRITICAL STRUCTURAL ROT TRAPS

HOMOLOGATION 3-DOOR SHELL INTEGRITY

PASS	INSPECTION POINT	SPECIFIC WEAR INDICATOR & DEFECT SIGN
☐	**Battery Tray & Inner Wing Flitches**	CRITICAL: Battery sits high in passenger inner wing. Acid spills rot out the metal beneath, dumping water directly into the fuseboard and cabin footwell.
☐	**Front Chassis Rails & Strut Turrets**	Examine front chassis rails where the anti-roll bar bolts on. High braking torque and road salt rot chassis legs around sway bar mounts, causing steering weave.
☐	**Whale-Tail Tailgate & Rear Posts**	Massive rear whale-tail spoiler puts high aero downforce on the steel tailgate. Inspect tailgate hinges, gas strut mounts, and rear C-pillar seams for stress cracks.
☐	**Outer Sills & Rear Beam Mounts**	Factory plastic side skirts trap mud and moisture. Inspect boxed sills along full length and check rear semi-trailing arm beam chassis mounting pockets for rot.

2. MECHANICAL TRIAGE & RUNNING GEAR

COLD START TO OPERATING TEMP

PASS	SYSTEM / COMPONENT	TARGET TOLERANCES & OPERATIONAL CHECKS
☐	**Cosworth YB Engine & Garrett T3 Turbo** **Spec: 40–50 Cold | 25+ Hot**	Check Weber-Marelli engine management on cold start. Check Garrett T3/T4 turbo boost (0.7 bar stock). Listen for piston slap; inspect for blue exhaust smoke on overrun.
☐	**Borg-Warner T5 5-Speed Gearbox**	Robust Borg-Warner T5 manual. Check 2nd and 3rd synchros on rapid downshifts; listen for countershaft bearing rumble in neutral; check tailshaft seal for leaks.
☐	**7.5" Limited-Slip Differential**	Viscous limited-slip differential. Test for clunking on tight low-speed turns; check rear drive half-shaft CV joints and inspect pinion nose seal for oil weepage.
☐	**BOSCH Anti-Lock Braking (ABS)**	Early Teves/Bosch ABS system with electric hydraulic pump. Turn ignition on: pump must prime and dash ABS warning light must extinguish within 30 seconds.

EXTREME RS500 & 3-DOOR REPLICA RISK: Countless base 3-doors converted to fake Cosworths. Genuine 3-door VIN prefix: WFOEXXGBBE.... If RS500 (only 500 built by Tickford): verify second fuel rail, Garrett T04 turbo, larger intercooler, and RS500 boot badge.

3. DEFECT LEDGER & NEGOTIATION DEDUCTIONS

UK MARKET BENCHMARKS

OBSERVED DEFECT / REQUIRED WORK	ESTIMATED UK REMEDY	DEDUCTION APPLIED
Cosworth YB Engine Teardown / Turbocharger Rebuild	£3,500 – £6,500 (Specialist Cosworth engine rebuild)	£
Perforated Outer Sills & Rear Beam Mount Welding	£1,100 – £1,800 (Structural sill & floor fabrication)	£
Borg-Warner T5 Gearbox Teardown & Synchro Rebuild	£850 – £1,400 (Unit overhaul & synchros)	£
Teves Electronic ABS Pump & Accumulator Overhaul	£750 – £1,200 (Hydraulic pump, valve block & sensors)	£
TOTAL DEDUCTIONS FROM ASKING PRICE	MAX REVISED OFFER:	£