ASTON MARTIN DB5

Engine: **3995cc DOHC Tadek Marek All-Alloy Inline-6**
Transmission: **ZF 5-Speed Manual / Borg-Warner Auto**

PRE-PURCHASE BUYER'S FIELD INSPECTION SHEET (1963–1965)

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

1. CRITICAL STRUCTURAL & BODYWORK TRAPS

SUPERLEGGERA FRAME & ALLOY BODY

PASS	INSPECTION POINT	SPECIFIC WEAR INDICATOR & DEFECT SIGN
☐	**Superleggera Steel Framework**	CRITICAL: Patented Touring design of thin steel tubes supporting hand-beaten alloy panels. Trapped moisture rots the steel frame internally, destroying structural rigidity.
☐	**Electrolytic Alloy Skin Blistering**	Inspect wheel arches, sill seams, and door frames. Contact between steel superstructure and aluminium outer skin produces violent galvanic corrosion bubbling.
☐	**Platform Sills & Trailing Arm Mounts**	Inspect the heavy steel platform chassis sills and rear radius arm chassis mounting boxes. Floor seams split and corrode around rear axle mounting pockets.
☐	**Front Crossmember & Radiator Tray**	Examine front chassis crossmember and radiator mounting box beneath nose. Salt and road grit collected in lower valence cavities cause structural perforation.

2. MECHANICAL TRIAGE & RUNNING GEAR

COLD START TO OPERATING TEMP

PASS	SYSTEM / COMPONENT	TARGET TOLERANCES & OPERATIONAL CHECKS
☐	**4.0L Marek DOHC Oil Pressure** **Spec: 60–80 Cold | 30+ Hot**	Check Smiths oil gauge. Hot idle at 800 RPM must not fall below 25–30 PSI. Listen for timing chain rattle on cold startup and inspect wet-liner seals for coolant seepage.
☐	**ZF 5-Speed Manual Gearbox**	Legendary ZF S5-325 5-speed box. Check 2nd and 3rd synchros on rapid downshifts. Baulking or grinding indicates worn synchro rings (expensive specialist rebuild).
☐	**Girling 4-Wheel Disc Brakes**	Twin-servo Girling disc system. Inspect tandem vacuum servos on bulkhead for fluid leaks; check pedal firmness and ensure car does not pull under hard stops.
☐	**Wire Wheel Splined Hubs**	Rock all 4 Borrani/Dunlop 72-spoke wire wheels at 12 & 6 o'clock. Any clunking confirms stripped hub splines. Check knock-off spinner ears for hammer mushrooming.

Provenance & Heritage Verification: Stamped chassis plate on passenger bulkhead (Prefix: DB5/XXXX/R for RHD Saloon). Engine stamping on block boss (Prefix: 400/XXXX; Vantage models feature 400/XXXX/V with triple Weber carbs). Heritage Trust certificate verification mandatory.

3. DEFECT LEDGER & NEGOTIATION DEDUCTIONS

UK MARKET BENCHMARKS

OBSERVED DEFECT / REQUIRED WORK	ESTIMATED UK REMEDY	DEDUCTION APPLIED
Superleggera Steel Tube Rot & Alloy Skin Galvanic Repair	£15,000 – £35,000 (Coachbuilt specialist restoration)	£
Tadek Marek 4.0L Engine Overhaul (Liner Reseal / Crank)	£18,000 – £30,000 (Full specialist engine rebuild)	£
ZF 5-Speed Gearbox Teardown & Synchromesh Rebuild	£3,500 – £5,500 (Unit overhaul & parts)	£
Worn Splined Hubs & 4x 72-Spoke Wire Wheels Overhaul	£2,200 – £3,400 (Splined hubs, bearings & wheels)	£
TOTAL DEDUCTIONS FROM ASKING PRICE	MAX REVISED OFFER:	£