RELIANT ROBIN (MK I / MK II / MK III)

Engine: **748cc / 848cc Reliant All-Alloy OHV Inline-4**
Configuration: **3-Wheeler GRP Saloon / Estate / Van**

PRE-PURCHASE BUYER'S FIELD INSPECTION SHEET (1973–2001)

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

1. CRITICAL STRUCTURAL & CHASSIS TRAPS

STEEL CHASSIS & GRP SHELL

PASS	INSPECTION POINT	SPECIFIC WEAR INDICATOR & DEFECT SIGN
☐	**Steel Box Chassis Outriggers**	Body is GRP, but chassis is steel box-section. Inspect center floor outriggers, front fork pivot horn, and rear spring mounting legs; road salt rusts rails internally.
☐	**Single Front Wheel Fork & Kingpin**	CRITICAL: Single front wheel relies on a single leading arm/fork. Check the front kingpin and pivot bearings for vertical play, binding, and stress cracks.
☐	**GRP Body-to-Chassis Mounts**	Inspect the glassfibre tub mounting points where bolts sandwich through to the chassis. Body vibration and flex cause mounting bolt holes to tear and enlarge.
☐	**Rear Leaf Spring Hangers**	Check where rear semi-elliptic leaf springs bolt to the chassis rails. Look for heavy flaking rust, twisted frame horns, and seized rear spring shackles.

2. MECHANICAL TRIAGE & RUNNING GEAR

COLD START TO OPERATING TEMP

PASS	SYSTEM / COMPONENT	TARGET TOLERANCES & OPERATIONAL CHECKS
☐	**Reliant Alloy Engine Health** **Spec: 40–50 Cold | 20+ Hot**	All-aluminium 748cc/848cc engine. Inspect for past overheating (warped cylinder head / blown head gasket). Check oil cap for milky sludge and expansion bottle.
☐	**Reliant 4-Speed Gearbox & Diff**	Listen for layshaft bearing rumble in neutral that disappears when clutch is depressed. Test 2nd gear synchro on downshift; listen for rear axle gear whine.
☐	**Front Steering Box & Drag Link** **Max Play: <0.5 inch at rim**	Steering box operating single front fork. Check for steering wheel wander on test drive, dry steering box, and play in the drag link and track rod ball joints.
☐	**Cooling System & Nose Radiator**	Radiator crammed into small nose cone. Check electric cooling fan operation, check coolant level, and inspect cylinder head waterways for tap-water corrosion.

Taxation & Provenance Verification: Stamped chassis plate in engine compartment on bulkhead (Prefix: BXXXXX for Mk I 748cc; CXXXXX for 848cc). Ensure V5C taxation class states "Tricycle" (eligible for B1 license / motorcycle road tax rate).

3. DEFECT LEDGER & NEGOTIATION DEDUCTIONS

UK MARKET BENCHMARKS

OBSERVED DEFECT / REQUIRED WORK	ESTIMATED UK REMEDY	DEDUCTION APPLIED
Corroded Steel Chassis Box Rails & Outrigger Welding	£650 – £1,100 (Steel chassis fabrication)	£
Alloy Cylinder Head Skim / Blown Head Gasket Overhaul	£380 – £600 (Head skim, gasket set & flush)	£
Front Fork, Kingpin & Steering Pivot Bearing Overhaul	£320 – £480 (Kingpin kit, bearings & labor)	£
Torn GRP Body Mounts & Shell Delamination Repair	£350 – £550 (Structural fibreglass laminating)	£
TOTAL DEDUCTIONS FROM ASKING PRICE	MAX REVISED OFFER:	£