LAND ROVER DISCOVERY 1 (200Tdi / 300Tdi / V8)

Engine: **2.5L 200Tdi/300Tdi Turbo-Diesel / 3.5L & 3.9L Rover V8**
Transmission: **LT77 / R380 5-Speed Manual w/ LT230 Transfer Box**

PRE-PURCHASE BUYER'S FIELD INSPECTION SHEET (1989–1998)

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

1. CRITICAL STRUCTURAL ROT TRAPS

BOX CHASSIS & STEEL BODY FRAME

PASS	INSPECTION POINT	SPECIFIC WEAR INDICATOR & DEFECT SIGN
☐	**Boot Floor & Rear Body Crossmember**	CRITICAL: Open rear door and lift carpet. Steel boot floor and rear crossmember rot completely out; check seatbelt anchor mountings and rear body mounts.
☐	**Outer Sills & Inner Floor Sections**	Steel inner sills beneath plastic sill covers and alloy outer skins. Moisture rots the inner floorpan-to-sill seams, compromising side-impact crash integrity.
☐	**Rear Wheelarches & C-Pillars**	Open rear doors (5-door models) to inspect rear wheelarch inner corners and door shut doglegs. Rust eats away the inner wheel tub into the cabin.
☐	**Chassis Rear Crossmember & Outriggers**	Heavy box-section ladder chassis. Check rear crossmember, fuel tank mounting outriggers, and front body mounts; road mud settles inside, rusting rails internally.

2. MECHANICAL TRIAGE & RUNNING GEAR

COLD START TO OPERATING TEMP

PASS	SYSTEM / COMPONENT	TARGET TOLERANCES & OPERATIONAL CHECKS
☐	**200Tdi / 300Tdi vs Rover V8 Health** **Spec: 40–50 Cold | 20+ Hot**	On Tdi: check timing belt history (early 300Tdi had belt misalignment issues); check for heavy crankcase breather blowby. On V8: listen for camshaft/lifter clatter.
☐	**LT230 Transfer Box & Diff-Lock**	Permanent 4WD LT230 transfer box. Test high/low range lever and mechanical differential lock (warning light on dash must engage/disengage cleanly without sticking).
☐	**Front Axle Swivel Balls & Seals**	Inspect chrome front swivel housing balls. Pitting or rust tears the oil seals, allowing EP90 gear oil to leak onto front brake discs and ruining swivel bearings.
☐	**Power Steering Box & Drop Arm** **Max Play: <1.0 inch at rim**	Adwest power steering box. Check for heavy fluid leaks from steering box lower seals and check steering drop arm ball joint for excessive play causing wander.

Model & Identity Verification: Stamped chassis number on right-hand front chassis dumb iron and VIN plate on radiator slam panel (Prefix: SALLJG...). Check engine number stamping on block deck matches V5C logbook.

3. DEFECT LEDGER & NEGOTIATION DEDUCTIONS

UK MARKET BENCHMARKS

OBSERVED DEFECT / REQUIRED WORK	ESTIMATED UK REMEDY	DEDUCTION APPLIED
Complete Boot Floor & Rear Crossmember Reconstruction	£850 – £1,400 (New steel floorpan, crossmember & welding)	£
Perforated Inner/Outer Sills & Rear Wheelarch Repairs	£900 – £1,500 (Heavy-duty box sill kit & fabrication)	£
Tdi Cylinder Head Gasket & Timing Belt Overhaul	£550 – £850 (Head skim, gasket set, belt & tensioner)	£
Pitted Front Swivel Balls & Hub Oil Seal Rebuild	£400 – £650 (Pair swivel balls, seals & bearings)	£
TOTAL DEDUCTIONS FROM ASKING PRICE	MAX REVISED OFFER:	£