

USED MOTOCROSS & ENDURO BIKE

INSPECTION CHECKLIST

A universal, quantitative pre-purchase inspection guide. Tick exactly one box per item. Total up the 'Pass' points at the end to evaluate your buying decision mathematically.

ENGINE, AIRBOX & INTERNAL WEAR

Inspection Point & Technical Description	Pass	Fail	Score
Airbox & Intake Boot Check Inspect foam filter for mud/debris. Wipe intake tract with clean finger to ensure no hidden fine dust has passed the sealing lip into the rubber intake boot.	☐ 1 pt	☐ 0 pt	_____
4-Stroke Top-End & Valve Performance Check starting from dead cold (hard starting points to tight valves/low compression). Remove oil cap at idle to check for excessive blow-by pressure/smoke.	☐ 1 pt	☐ 0 pt	_____
Fuel Pump Priming & Electrical Listen for a strong, consistent fuel pump priming hum when cycling power. Check for intermittent hesitation or weak tone.	☐ 1 pt	☐ 0 pt	_____
Clutch Slip & Engagement Test Test in high gear under load. Quick pull/release at mid-RPM should snap forward instantly; whining/gradual RPM blending means slipping plates.	☐ 1 pt	☐ 0 pt	_____
Transmission Tracking & Dogs Shift through all gears under load. Ensure positive, crisp selection. Watch 1st-to-2nd gear shift closely; popping back into neutral means worn gear dogs.	☐ 1 pt	☐ 0 pt	_____
Cooling Integrity & Case Lines Check cold radiator fluid for floating oil. Check water pump housing base and crankcase seams for milky weep marks, leaks, or patch compound repairs.	☐ 1 pt	☐ 0 pt	_____

SUSPENSION, BEARINGS & FRAME FLEX

Inspection Point & Technical Description	Pass	Fail	Score
Rear Linkage & Swingarm Slack With wheel raised, pull/push tyre forcefully side-to-side. Any clicking, thunking, or independent play indicates shot pivot or linkage bearings.	☐ 1 pt	☐ 0 pt	_____
Steering Head Stem Bearings Ensure bars swing smoothly lock-to-lock when front is free. Hold front brake and rock bike; any knocking or notchiness means pitted/loose bearings.	☐ 1 pt	☐ 0 pt	_____
Front Fork Seals & Stanchions Check chrome stanchions for scratches/pitting that tear seals. Pump forks hard several times; verify no fresh rings of oil or grease above dust seals.	☐ 1 pt	☐ 0 pt	_____
Lower Frame Rail Integrity Inspect underside of frame rails for severe flattening, squashed tubes, or cracked welds. Watch for sloppy home-welding repairs around footpeg mounts.	☐ 1 pt	☐ 0 pt	_____

Inspection Point & Technical Description	Pass	Fail	Score
Subframe & Bolt Mounting Points Wipe clean and inspect all subframe mounting points and welds with a flashlight. Check for structural cracks, paint flaking, metal rippling, or stripped threads.	☐ 1 pt	☐ 0 pt	_____

DRIVETRAIN, WHEELS & BRAKING SURFACES

Inspection Point & Technical Description	Pass	Fail	Score
Chain Stretch & Sprocket Profiles Pull chain straight back at rearmost sprocket point; daylight underneath means worn pins. Verify teeth are symmetrical and not hooked into shark fins.	☐ 1 pt	☐ 0 pt	_____
Wheels, Hubs & Spoke Tension Pluck spokes with a tool; a dull thud means loose. Spin wheel to check for lateral wobble or radial egging. Check hubs for gritty, dry bearing noise or play.	☐ 1 pt	☐ 0 pt	_____
Brake Rotors & Caliper Guide Pins Check discs for deep groove ridges and heat discoloration. Verify even pad thickness; uneven taper reveals frozen sliding guide pins.	☐ 1 pt	☐ 0 pt	_____
Hydraulic Brake System Fade Ensure levers build firm resistance instantly. If a lever creeps inward under 10 seconds of steady, hard pressure, internal master cylinder seals are failing.	☐ 1 pt	☐ 0 pt	_____

PROVENANCE, LEGAL CHECKS & HISTORY

Inspection Point & Technical Description	Pass	Fail	Score
Engine Size (CC) & Casting Marks Cross-reference stamped engine ID number prefix on lower cases directly against casting marks on the cylinder jug to confirm genuine displacement matches ad.	☐ 1 pt	☐ 0 pt	_____
Physical Touchpoints vs Hour Meter Compare digital meter hours against wear on clutch covers, frame rails, and footpegs. High frame wear with low hours indicates a false/replaced meter.	☐ 1 pt	☐ 0 pt	_____
Maintenance & Part Receipt History Verify verbal service claims by checking physical parts invoices, oil filter change logs, and suspension service records rather than unproven promises.	☐ 1 pt	☐ 0 pt	_____
Theft Protection & Frame Identity Locate stamped VIN on steering neck. Ensure it is not ground smooth, re-stamped, or hidden by fresh paint. Match road-legal details against the registration logbook.	☐ 1 pt	☐ 0 pt	_____

FINAL EVALUATION SCOREBOARD

CALCULATE TOTAL SCORE: Sum all checkmarks in the Pass column (Max score: **19 Points**). Record final score here: [/ 19]

Total Score Range	Target Assessment Action
17 – 19 Points	BUY DECISION — Excellent operational condition. Minimal near-term wear patterns detected.
12 – 16 Points	HAGGLE THE PRICE — Mechanically viable but carrying structural or consumable wear gaps. Calculate repair costs to negotiate.
0 – 11 Points	WALK AWAY — Critical risks or compounding structural deficits. Financial recovery burden outweighs fair asset value.