

# ATV SERVICE PLAN

ARCTIC CAT



## MAINTENANCE PLAN

MAINTENANCE PLAN A:	
Applicable to:	private vehicle use, mainly on asphalt roads in dry and clean conditions
First service:	after 300 miles / 500 km
Basic service:	every 1200 miles / 2000 km or 1x annually
Extended service:	additionally every 3600 miles / 6000 km or every 2 years

MAINTENANCE PLAN B:	
Applicable to:	vehicle use under working conditions (agriculture, forestry or construction industry, tourism, business, ....) or use under adverse environmental influences (sand, mud, .....) or mainly off-road use
First service:	after 200 miles / 350 km
Basic service:	every 600 miles / 1000 km or every 6 months
Extended service:	additionally every 1800 miles / 3000 km or 1x annually

MAINTENANCE PLAN C:	
Applicable to:	vehicle use in snow and ice with tiger tracks
First service:	after 150 miles / 250 km
Basic service:	every 300 miles / 500 km or every 3 months
Extended service:	additionally every 600 miles / 1000 km or every 6 months



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SERVICE PLAN			ARCTIC CAT				
	SUBASSEMBLY	SERVICE POINT	HANDOVER INSPECTION	FIRST SERVICE	BASIC SERVICE	EXTENDED SERVICE	
GENERAL	Preparation	Mileage and operating hours	•	•	•	•	
		Maintenance plan allocation (A,B,C)	•	•	•	•	
		Customer workshop order		•		•	
		Readout defect code memory /check tachometer error messages	•	•	•	•	
ENGINE	Air filter	Filter: cleanliness, condition	•	•	•	•	
		Replace filter				•	
		Housing: Check for liquid or dirt residue	•	•	•	•	
		Drain pipes: check for free throughflow				•	
	Valves	Visual check, check camshaft for wear			•	•	
		Check and adjust valve play		•		•	
	Piston / cylinder	Compression				•	
	Motor oil	Replace oil and filter		•	•	•	
		Check oil cooler and supply lines for tight fit and damage	•	•	•	•	
	Exhaust system	Check elbow, silencer for sealtightness	•	•	•	•	
		Visual check for cleanliness and damage	•	•	•	•	
		Check heat protection for completeness and condition	•	•	•	•	
		Check bolted connections for tight fit, retighten	•	•	•	•	
	Aeration / bleed hoses	Check for condition and free throughflow	•	•	•	•	
	Throttle cable	Smooth movement	•	•	•	•	
		Condition	•	•	•	•	
		Lubrication (only use lubricants on PTFE basis)	•	•	•	•	
		Check throttle limit and readjust	•	•	•	•	
	Idle speed	Check and adjust	•	•	•	•	
	Cooling system	Check cooler / cooling fins for dirt and damage	•	•	•	•	
		Check cooler and coolant lines for sealtightness	•	•	•	•	
		Check coolant lines for tight fit and damage	•	•	•	•	
		Coolant level	•	•	•	•	
		Antifreeze	•			•	
		Replace coolant				•	
	FUEL UNIT	Piping / hoses	Check petrol / diesel lines for damage and tight fit	•	•	•	•
			Check aeration / venting lines for free throughflow	•	•	•	•
		Tank	Check tank venting	•	•	•	•
			Check tank and tank cap for damage and condition	•	•	•	•
	Carburettor / injection system	Check and adjust	•	•	•	•	
		Drain carburettor				•	
	POWER TRANSMISSION	CVT	Check choke (automatic/manual) and readjust	•	•	•	•
Check belts and belt drive for wear and condition				•	•	•	
Check belt housings for dirt or liquid residues				•	•	•	
Replace belts and wear parts						•	
Replace CVT spacer drive pulley (only L7e-B1 homologated units)						•	
Check centrifugal clutch for function (test run)			•	•	•	•	
Transmission		Check shaft sealing ring for sealtightness				•	
		Check and clean housing aeration and venting	•	•	•	•	
		Check aeration and venting lines and expansion container	•	•	•	•	
		Transmission oil: Check fill level and condition (front and rear axle)	•	•	•	•	
		Replace transmission oil		•		•	
		Check and readjust differential lock actuation	•	•	•	•	
		Check four-wheel-drive actuation	•	•	•	•	
		Check and adjust shift linkage	•	•	•	•	
BRAKE UNIT	Service brake (hydraulic)	Check service brake unit (hydraulic) for clearance and free movement	•	•	•	•	
		Check brake lines, brake pump and brake caliper for leakage or damage	•	•	•	•	
		Check brake fluid level and quality of fluid	•	•	•		
		Replace brake fluid				•	
	Parking brake (cable)	Check parking brake unit (cable) for clearance and smooth movement	•	•	•	•	
		Check lever, cable and brake caliper for damage. Lubricate cable	•	•	•	•	
	Linings / discs	Check brake lining thickness (foot brake and parking brake), replace if necessary	•	•	•	•	
		Check brake discs for wear and damage, replace if necessary	•	•	•	•	
		Break In brake linings or brake discs (20 x brake action at 20mph)	•	•	•	•	
		Check bolted connections for tight fit, retighten	•	•	•	•	
UNDERBODY	Supply lines	Check for correct routing and fixing (sufficient distance to hot or movable parts)	•	•	•	•	
		Conditions (cracks, deformity and durability of tyre compound), including inside tyre wall	•	•	•	•	
	Tyres	Profile depth	•	•	•	•	
		Tyre pressure	•	•	•	•	
	Wheel rims	Condition (cracks, deformation)	•	•	•	•	
		Check wheel nut tightening torque	•	•	•	•	
	Rubber bushes and sleeves	Check for correct and tight fit	•	•	•	•	
		Check for damage	•	•	•	•	
	Axle journals	Check plastic bearings for wear	•	•	•	•	
		Check axle journals for damage, deformation	•	•	•	•	
	Shock absorbers	Check piston rod for damage (scratches, scoring)	•	•	•	•	
		Check absorbers for function and leakage	•	•	•	•	
		Check springs for damage	•	•	•	•	
		Check shock absorber bearings for wear	•	•	•	•	
	Wheel bearings	Check for wear and play	•	•	•	•	
	Steering equipment	Check steering for clearance and smooth running	•	•	•	•	
		Check steering head bearing for wear (play)	•	•	•	•	
		Check track rods, track rod heads, steering gear for wear and damage	•	•	•	•	
		Check bolted connections for tight fit, retighten	•	•	•	•	
		Check steering link / wheel for damage and tight fit	•	•	•	•	
Frames		Check frame parts and welded seams for damage	•	•	•	•	
ELECTRIC SYSTEM	Tracking	Check and adjust	•	•	•	•	
	Battery	Check charge, check battery contacts	•	•	•	•	
		Fuses	Check fuses	•	•	•	•
	Fuses	Check spare fuses, re-stock	•	•	•	•	
		Lighting	Check sidelights, dipped beam, main beam, indicators, hazard warners, rear light, brake light, registration lighting, reflectors	•	•	•	•
	Adjust main beam / dipped beam		•	•	•	•	
	Horn	Check function and volume	•	•	•	•	
	Spark plugs	Check conditions (spark, colouration, deposits, contacts)		•	•	•	
		Replace spark plugs				•	
	Heating plugs	Check cold start behaviour, check heating plugs if necessary	•	•	•	•	
Replace heating plugs					•		
Wiring harness	Check plug connections and service (contact spray)	•	•	•	•		
	Check for correct routing and fixing (sufficient distance to hot or movable parts)	•	•	•	•		
DISPLAYS AND CONTROLS	Tachometer	Check display for function and damage	•	•	•	•	
	Indicator lamps	Check function	•	•	•	•	
	Operating elements	Check switches, levers, buttons for ease of movement and function	•	•	•	•	
	Mirrors	Check mirrors and fixings for damage and tight fit	•	•	•	•	
	Grips	Check for damage, wear and tight fit	•	•	•	•	
		Check heating for function (if fitted)	•	•	•	•	
	Anti-theft device	Check function, clean and lubricate if necessary	•	•	•	•	
	Gearlever	Check correct setting and tight fit	•	•	•	•	
	Pull starter	Check function, return spring and cable	•	•	•	•	
	GENERAL	Final Checks and documentation	Reset defect code memory / error messages	•	•	•	•
Test run (motor power, driving behaviour, brakes, noises, gear changing, ...)			•	•	•	•	
Clean vehicle		Clean vehicle	•	•	•	•	
		Make entries in service manual	•	•	•	•	
		Copy service plan to customer (condition for Cat Care guarantee)	•	•	•	•	
		Copy service plan to Arctic Cat GmbH (condition for Cat Care guarantee)	•	•	•	•	