

RICHARD GOODE AEROBATICS

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WORLD LEADERS IN RUSSIAN SPORTING AIRCRAFT & ENGINES

In partnership with Aerometal Kft, Hungary

Price List 2019

Typically, all overhauled components will receive an EASA “form 1” document – the highest European qualification for an aviation component.

NB: “core exchange” prices are those we offer for an old component/ancillary that is worn, but complete and not damaged.

Prices in Euros unless otherwise stated.

With every component/ancillary that requires gaskets or extra fitting parts for installation, these are always included

Electrical: M14P/PF & AI14

Part	Price	Core Exchange
M9F & M-9 magneto. <i>Totally overhauled with new bearing, new coil, new points, and new “pencil”. According to conventional Russian practise, we do not include the magneto cap – the Bakelite disc into which the plug leads are fitted – as this is part of the ignition system. We do have supplies of these, please see below</i>	€1,220.00	€230.00
M9 – 35M magneto. <i>Totally overhauled, as the M9F magneto (above), plus the additional overhaul of the complex counterweight mechanism</i>	€1,280.00	€230.00
Points. <i>Finally, we are making our own points. Very high quality and machine-tested for over 2,000 hours!!</i>	€220.00	
Coil. <i>Our latest type with external condenser bonded to coil. Very successful.</i>	€430.00	€30.00
Magneto “pencil”	€60.00	
Magneto cap. <i>Used, but crack tested.</i>	€125.00	
Magneto rotors. <i>Used, but crack tested.</i>	€155.00	
Isolator	€65.00	
Automotive plug conversion kit. <i>Our new kit with the “Thunderbolt” very low resistance leads, improving performance and limiting radio interference. Also includes the much improved modifications from Aerometal. Totally complete with everything needed, including latest NGK spark plugs. Approved by EASA; UK CAA and French DGAC</i>	€595.00	

Part	Price	Core Exchange
Electric start conversion. <i>Cost when fitted to an engine during overhaul.</i>	€3,300.00	
Electronic ignition. <i>Net cost if fitted to an engine undergoing overhaul.</i>	US\$9200.00	
Tacho-generator	€540.00	€130.00
Overhaul	Price	Core Exchange
M9F & M-9 magneto. <i>Totally overhauled with new bearing, new coil, new points and new "pencil". On occasions, we need to change the rotor. If we do, we charge an additional €145 and of course we will return the cracked rotor with the magneto.</i>	€990.00	€230.00
M9-35M magneto. <i>As the M9F magneto (above), plus overhauling the complex counterweight mechanism</i>	€1,050.00	
Coil	€400.00	
Magneto check. <i>Physical check, individual test of components and then 2 hour test in high-temperature test cell; new paperwork.</i>	€290.00	
Tacho-generator	€410.00	

Fuel System: M14P/PF & AI14

Part	Price	Core Exchange
Carburettor AK14P & K-14A. <i>Zero-timed. We do not include the composite gasket for installation of the carburettor, since these are almost always reusable. But an additional one can be included for €80.</i>	€830.00	€230.00
Carburettor membranes (2)	€195.00	
Suction jets, each. <i>Sizes 0.8mm to 1.9mm.</i>	€17.00	
Acceleration jets, each. <i>Sizes 0.6mm to 0.9mm</i>	€17.00	
Fuel pump membrane.	€70.00	
Overhaul	Price	Core Exchange
Carburettor AK14P & K-14A . <i>Including new membranes; mechanical overhaul; new paint. We do not include the composite gasket for installation of the carburettor, since these are almost always reusable. But an additional one can be included for €60.</i>	€540.00	
Carburettor check. <i>To check an unused carburettor, including new membranes and test bench session.</i>	€390.00	

Cylinders: M14P/PF& AI14

Part	Price	Core Exchange
Cylinders. <i>Used, complete, with valves, valve gear, etc.</i>	€800.00	
Set of gaskets for reinstalling all 9 cylinders	€295.00	
New exhaust valves	€210.00	€30.00

Part	Price	Core Exchange
Overhauled exhaust valves. <i>Hard chromed stem to new dimensions & new "seat"</i> .	€135.00	€30.00
Overhauled inlet valves. <i>Good condition and to correct dimensions</i>	€110.00	€20.00
Valve guide	€115.00	
Valve cover gasket	€4.00	
Valve cover wire	€7.00	
Set of 5 new Russian piston rings	€160.00	
M14P R1 Russian pistons. <i>Set, complete with rings, pins and plugs.</i>	€3,180	
SPC pistons. <i>Set, complete with rings, pins and plugs.</i>	€2,980.00	
Barrett Pistons. <i>Set, complete with rings, pins and plugs.</i>	€3,590.00	
Exhaust nuts	€27.00	
Exhaust Olive (gasket), standard size, 10mm thick	€25.00	
Exhaust Olive, special size, any thickness	€35.00	
Intake tube gaskets	€4.00	
Set of exhaust clamps (7)	€690.00	
Exhaust stub. <i>About 8cms</i>	€20.00	
Connecting rod	€245.00	
Big manifold oil drain plugs, for fitting oil drain system	€42.00	
Air start valves, totally overhauled	€95.00	
Air start pipe (from distributor to air start valve). <i>Fully checked and nickel plated</i>	€40.00	
Overhaul	Price	Core Exchange
Cylinders, price per cylinder. <i>Including honing; fitting pistons; overhauled valves; new valve oil seal; new heat resistant paint, etc.</i>	€1,020.00	
Honing (per cylinder)	€135.00	
Exhaust valves. <i>Hard chromed stem to new dimensions & new "seat"</i>	€135.00	

Ancillaries: M14P/PF & AI14

Part	Price	Core Exchange
Compressor AK-50A & AK-50P12, zero-timed. <i>Including new pistons and cylinders if not to new tolerances.</i>	€1,060.00	€190.00
Compressor drive coupling	€80.00	
Air compressor gasket	€5.00	
Propeller governor. R2	€495.00	€165.00
Oil cooler. <i>Standard Yak and Sukhoi.</i>	€1,050.00	€225.00
Large oil cooler. <i>50% more cooling capacity. Same fittings as standard. Used but fully overhauled.</i>	€950.00	
Oil pump MM-14A. <i>Zero-timed.</i>	€380.00	€95.00
Fuel pump 702ML & 702M. <i>Zero-timed.</i>	€320.00	€95.00
Engine mount rubbers. <i>(16 for engine set). Each</i>	€29.00	
Airstart distributor	€280.00	€85.00

Part	Price	Core Exchange
Generator GSR-3000 & GSK-1500M	€495.00	€145.00
Overhaul	Price	Core Exchange
Generator GSR-3000 & GSK-1500M	€350.00	
Compressor AK-50A & AK-50P12. <i>Total overhaul including new pistons and cylinders if not to new tolerances.</i>	€870.00	
Fuel pump 702ML & 702M. <i>Please see below for price for internal blades</i>	€225.00	
Fuel pump internal blades (4). <i>Replaced during overhaul if originals not useable</i>	€100.00	
Compressor drive coupling	€30.00	
Propeller governor. R2	€330.00	
Oil cooler. <i>Standard Yak and Sukhoi.</i>	€650.00	
Oil pump	€225.00	
Airstart distributor	€165.00	
Air bottle pressure testing. <i>Including x-ray and crack test; borescope inspection; pressure test to 100 bar; recertification and EASA form 1.</i>	€155.00	

Gearbox & Pyramid: M14P/PF & AI14

Part	Price	Core Exchange
New propeller shaft/flange. <i>Russian or SAE.</i>	€900.00	
Overhauled propeller shaft/flange. <i>Russian or SAE.</i>	€600.00	
Uprated MT governor springs (2). <i>For better aerobatic performance</i>	€30.00	
Gearbox oil seal rings	€76.00	
Gearbox satellite gear, each	€146.00	
Micro-polishing gears in drive gearbox and ancillary/supercharger gearbox	€550.00	
Propeller adapter. <i>Russian engine to SAE prop</i>	€650.00	
Reverse adapter. <i>SAE engine to Russian prop</i>	€650.00	
Gearbox, after total overhaul	€3,000.00	€1,950.00
Overhaul	Price	Core Exchange
Gearbox painting and new data plate	€150.00	
Groundstrike: shock load if no overhaul required	€850.00	
Ground strike check, for both gearbox and "pyramid" – supercharger and all accessory drives	€1,850.00	
Groundstrike: dismantling, inspection, disassembly of gearbox, pyramid, crankcase, cylinders and 3 hour dynometer test run. But excluding any repair	€5,800.00	
Groundstrike: total disassembly, total inspection and x-ray, reface valves, inspect and test all ancillaries, 3 hour test run. But excluding any repair	€6,900.00	

Overhaul	Price	Core Exchange
Prop shaft/flange overhaul	€360.00	
Pyramid overhaul and conversion to PF specification. <i>Plus €1,100 which will be refunded on receipt of old pyramid</i>	€5,000.00	

Airframe Parts

Part	Price	Core Exchange
Wing tip sights for Sukhoi	€215.00	
Yak 18T aileron bracket	€290.00	
Yak 18T door pins	€205.00	
Overhaul	Price	Core Exchange
Yak 50/52/18T undercarriage actuator overhaul. <i>Please note there will be extra charges if we need to replace major items such as end cap; pistons; etc. But we will dismantle the old unit and provide a detailed quote with no obligation.</i>	€460.00	
Yak undercarriage cockpit selector overhaul	€250.00	

General

Part	Price	Core Exchange
Flexible hoses. <i>Our established price for all hoses to include crack test & x-ray of metal ends; machining to fit Aeroquip 303 hose; anodizing; assembly; pressure test; fireproof cover; EASA form 1. Price per hose.</i>	€95.00	
Engine lifting eye	€195.00	
Tools. <i>Complete set of 11 necessary tools for all work on M14 engines.</i>	€525.00	
Intake tubes, after OH	€65.00	€15.00
Engine mounting bolt complete with stud, 2 nuts & 3 washers	€33.00	
Pushrod tube hoses, set of 18 @ €4 each	€72.00	
Pushrod tube clamps, set of 36 @ €3 each	€108.00	
M 14 P engine, after total zero-time overhaul. Please contact us for full details	€29,500.00	
M 14 PF engine, after total zero-time overhaul. Please contact us for full details	€32,500.00	
Zero-timed V-530 propeller	€7,600.00	
Shipping box for V-530 propeller	€300.00	
Treated wooden shipping crate, including mounting legs & brackets	€450.00	
Unassembled shipping crate	€225.00	
Engine lifting "eye" (attached to propeller shaft)	€150.00	

Overhaul	Price	Core Exchange
Engine overhaul to zero-time condition. Please contact us for full details	€21,500.00	
Overhaul of V-530 propeller	€4,750.00	
Remove and check cylinders	€1,650.00	
Engine dynonometer test. <i>Full three hour test run on the dynonometer, with all results given to the customer</i>	€1,500.00	
Preservation, long term	€560.00	
Preservation, short term	€260.00	
Chip detector cable sensor	€105.00	