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Complete Spare Parts List of Martin MiniMac Maestro

02005102 C161 CMOS 16 bit processor 16MHz
02011501 M41T56 timekeeper, SRAM, SMD
02012542 XC2S15-5VQ100 FPGA, SMD, VQFP
02031508 256Kx16 15ns SRAM,SMD,SOJ-44
02034507 16K bit Serial Eeprom SMD, 93LC86 /SN
02035523 29F400 256K x 16 Flash PROM AMD ,SOP44
02050102 74 HCT 14 HEX inverting Schmitt Trig, SMD
02050106 74 HCT 132 Quad Nand Schmitt trig, SMD
02050112 74 HCT 244 Octal Bus buffer,SMD
02050122 74 HCT 595 serial Octal LATCH ,SMD
02050301 74 HC 05 HEX inverting open collector, SMD
02050302 74HC03D-TR NAND OC
02105203 78M05 5V/0.5A Voltage Stab , SMD
02105225 LD1117, 2.5V, 800mA volt reg, SMD
02105233 LD1117, 3.3V, 800mA volt reg, SMD
02105602 L5970D Tape 1A Step Down SMPS
02121010 ULN2803A stepmotor driver, standard
02121014 Dual Full Bridge Driver, L6204, DIP
02121600 ADM 705 AR supervisory circuit, SMD
02121805 75C176 BiCMOS RS485 Transceiver SMD
02123001 Hall Sensor
02300401 BC 847B , SMD
02301201 BC 857B , SMD (BC557)
02320400 FDV303N, n-mosfet, 0, 68A, 25V
04020328 2.2 nF 250V Y2 film capacitor
04020344 220nF, X2, 250V film capacitor
04030079 20uF, 250V, 50-60Hz capacitor w/ 500mm wires
04040236 100uF, 25V, electrolytic, radial
04040252 2200uF, 25V, electrolytic, radial
04040340 220uF, 35V, electrolytic, radial
04040553 2200uF, 50V, electrolytic, radial, h=25mm
04050040 10uF, 1210 ceramic, SMD
04050136 1nF, 50V, ceramic, SMD
04050140 2.2nF, 50V, ceramic, SMD
04050148 10nF, 50V, ceramic, SMD
04050160 100nF, 50V, ceramic, SMD
04050168 470nF, 50V, ceramic, SMD
04050172 1uF, 16V, ceramic, SMD 1206R
04051114 22PF 0603 NPO 50V 5% CER
04051122 220pF 0603 X7R 50V 5% CER

04051132 470nF, 50V, ceramic, SMD 0603
04051136 1nF, 50V, ceramic, SMD 0603
04051140 2.2nF, 63V, ceramic, SMD 0603
04051151 22NF 0603 X7R 25V 5% CER
04051155 47NF 0603 X7R 16V 10% CER
04051160 100nF, 16V, ceramic, SMD 0603
04051400 470pF, 1KV, ceramic, SMD 1206
04080100 10uF, 16V, electrolytic, SMD
04170000 0 OHM RESISTOR, SMD
04170256 47 Ohm, resistor, SMD
04170308 120 Ohm resistor, SMD
04170332 220 Ohm resistor, SMD
04170372 560 Ohm resistor, SMD, 1206
04170472 5K6 OHM RESISTOR, SMD
04171116 1.5 OHM RESISTOR, SMD 0.25W
04171132 2.2 OHM RESISTOR, SMD 0.25W
04176000 0R OHM, 5% 0.06W, SMD 0603
04176200 100R, 1% 0.06W, SMD 0603
04176332 220R OHM, 5% 0.06W, SMD 0603
04176340 560R OHM, resistor, 1% 1/10W, SMD 0603
04176356 390R OHM, 5% 0.06W, SMD 0603
04176372 560R OHM RESISTOR, 1% 1/10W, SMD 0603
04176400 1K Ohm resistor, 1% 0.1W, SMD 0603
04176424 1K8 Ohm, 1% 0.1W, SMD 0603
04176432 2K2 Ohm resistor, 1% 0.1W, SMD 0603
04176464 4K7 Ohm resitor, 1% 0.W, SMD 0603
04176480 6K8 Ohm resitor, 1% 0.1W, SMD 0603
04176488 8K2 OHM RESISTOR, 1% 1/10W, SMD 0603
04176500 10K OHM RESISTOR, 1% 1/10W, SMD 0603
04176516 15K Ohm resitor, 1% 0.1W, SMD 0603
04176532 22K OHM RESISTOR, 1% 1/10W, SMD 0603
04176540 27K Ohm, 1% 0.1W, SMD 0603
04176564 47K OHM RESISTOR, 1% 1/10W, SMD 0603
04176664 470K OHM RESISTOR, 1% 1/10W, SMD 0603
04176700 1M Ohm, 1% 0.1W, SMD 0603
04176716 1M5 Ohm resistor, 1% 0.1, SMD 0603
04200201 100 ohm resistor, 1W, SMD
04251003 1K Ohm NTC thermistor 2%
04260320 4K7 Ohm (x4) 5%, 50V res. array
04260324 10K Ohm (x4) 5%, 50V res. array
04301001 BAS32L-115 (1N4148) , SMD
04301010 BAT54S, dual shottky diode
04301013 Diode Schottky 15MQ040N SMA 40V, 2.1AVf=0.42
04302009 Bridge 6A/600V GBU6J
04305010 12V 0.5W ZEENER DIODE, SMD
04307002 6V8, diode transil
04307004 Diode transil, 10V

04307005 Diode Transil 15V / 600W, SMD DO214AA
04307012 Diode Transil 39V / 600W, SMD DO214AA
04311001 LED 3mm Green
04311002 LED 3mm Red
04312021 Display 3x7 segment, 14mm
04350202 X-tal, 32.768kHz, watch
04360232 Oscillator 32.000MHz SMD
04400204 Inductor 47uH 1.1A SMD (Alternative from SUMIDA)
04400413 Noise sup choke, H 2x0.5mH, 4.5
04401102 Magnet 2x2x2 mm
04520004 Step-up 150W; 10,5V/20VA, 24V/48VA
04540002 Ballast, 150W, 230V, 50Hz, 210/230V, 60Hz
05000001 Relay, 12V, 16A, single, high current
05020009 Fuse, 2 A, slow blow
05020013 Fuse 3.15 AT, high I*I*t
05030001 Fuse holder PCB, plastic support
05040003 Thermostat, 100 degrees C, open
05120015 Socket-IC 20 pin tulip
05120701 Jumper, 2 pole, 2.54mm spacing
05123001 XLR female 3-pin chassis, PCB, angle, gold
05143001 XLR male 3-pin chassis, PCB, angle, gold
05144002 Header 2 pole 2.54mm PCB
05144003 Header 3 pole 2.54mm, PCB, coded
05144004 Header 4 pole, 2.54mm, PCB , coded
05144006 Header 6 pole, 2.54mm
05144012 Header 2 pole 5.0mm molex PCB
05144014 Header 4 pole 5.0mm molex PCB
05144060 Header, 40 pole, PCB sil
05144061 Heade, 6 pole PCB sil
05144103 Header 3 pole, angle 2.54mm, PCB
05144106 Plug 6 pole PCB sil , angle , coded
05144112 Header angle 2 pole 5.0mm molex PCB
05144116 Header angle 6 pole 5.0mm molex PCB
05144436 Header, 6 pole ang., PCB, schrouded
05149002 Spade plug 6.3mm male , angle PCB
05221207 Socket G12
05247202 AC socket, IEC, chassis mount, w/o fuse holder
05247204 Fuse holder for P/N 05247202
05323516 Plug, 6 pole, female, angle, yellow, 0.12-0.14#
05323518 Plug female angle, wire, 3 pole, blue , 0.12-0.14#
05323522 Plug MTA female angle, wire, 2 pole, natural, 0.20-0.22#
05324212 Crimp, term housing, 2 pole, 5.0
05324216 Crimp Term Housing 6 pole, for 319887/89
05324224 Crimp terminal house, 4 pole
05328201 Cable plug, 2.8mm female single, faston
05328202 Cable plug, 2.8mm housing, faston
05328405 Cable plug, 6.3 mm female, single, faston, insolated

05501201 Tact Switch SMD h = 9.5mm
05503402 Switch 2pol PCB straight,
05503403 Switch 5pol PCB straight,
05520503 Micro switch, 5A, 250VAC
05701202 Stepmotor, 14PM-M204, wire 1100mm, 12mm shaft
05701609 Stepmotor, standard small, large airgap, 12mm shaft
05701802 Stepmotor micro HP LN, w/o wire
05741002 Fan 12V DC Brushless 1.6"
05742003 Blower, 75x75mm ball w.FB
05801001 Batteri 3V Lithium ,PCB
05830001 Electret condensor Microphone
06020002 Starter 150W serial, NI 400 LE
08030402 M2.5x6 taptite, Phillips, black
08030503 M2.5x8 taptite, Phillips, cs
08050401 M3x4 screw, Phillips, ph, black
08050402 M3x5 taptite, Phillips, ph, black
08050406 M3x12 screw, Phillips, ph, black
08050506 M3x16 screw, Phillips, cs, black
08050507 M3x20 screw, Phillips, cs, black
08050701 M3x8 taptite, Torx, ph, black
08050702 M3x6 screw, Torx, ph, black
08050703 M3x8 screw, Torx, ph, black
08050704 M3x10 taptite, Torx, ph
08050705 M3x12 taptite, Torx, ph
08050801 M3x12 screw, Torx, cs, black
08050802 M3x6 screw, Torx, cs, black
08050803 M3x8 screw, Torx, cs, black
08052601 M3 hex nut, black
08052701 M3 hex lock nut
08053806 M3x7 stand off, m/f, black
08053807 M3x10 stand off, m/f, black
08053839 M3x40 stand off, f/f
08054301 M3 Washer
08054304 M3 washer, stainless
08054401 M3 lock washer, black
08070401 M4x6 screw, Phillips, black
08070404 M4x12 screw, Phillips, ph, black
08070407 M4x16 screw, Phillips, ph, black
08070408 M4x20 screw, Phillips, ph, black
08070503 M4x20 screw, Phillips, cs, black
08070701 M4x10 taptite, Torx, ph, black, Paint cut
08070702 M4x6 taptite, Torx, ph, black, spec
08071003 M4x12 hex cap screw, black
08071203 M4x20 screw, Allen, black
08071207 M4x25 screw, Allen, black
08071501 M4x5 set screw
08072601 M4 hex nut, black

08073601 M4 blind rivet nut, cs
08073603 M4 blind rivet nut
08074301 M4 Washer, black
08074401 M4 lock washer, black
08091001 M5x12 hex cap screw, taptite, black
08111201 M6x10 screw, Allen, black
08111203 M6x16 screw, Allen, black
08111209 M6x40 screw, Allen, black
08112601 M6 hex nut
08112701 M6 hex lock nut, PA-insert
08113604 M6 blind rivet nut
08113802 M6x55 stand off, f/f, Zn
08114401 M6 lock washer
08131201 M8x16 screw, Allen
08131206 M8x16 screw, Torx
08131901 M8x13 lifting eye bolt, black
08132604 M8 hex nut, stainless
08133301 M8 hex weld nut
08190101 2.9x4.5 self-tap, Phillips
08190203 3.5x8 self-tap, Phillips, ph, black
08190205 3.5x38 self-tap, ph, black
08190404 4.2x13 Self-tap, Torx, black
08200102 2.9x6.5 Plastite, ph, black
08200105 3.5x8 eco-syn, ph, black
08200107 5x12 Plastite, ph, black
08200108 4x10 eco-syn, ph, black
08220102 3.2 x 7.5 mm Rivet Alu.
08220104 3.2 x 9 mm Rivet Alu.
08220105 3.2mm x 10 Rivet Black
08220108 3.2x9,5 Pop Rivet UH St.St.
08220110 3.2mm x 11,5 Rivet St. St.
08222005 Cylinder Pin 3 x 28 mm
08230109 Locking ring snap on 30mm x 1.5mm
08230114 Locking ring, snap on, 6mm
08230502 Locking ring for Idle wheel
08240104 1/4 turn fastener, screw w. spring, black
08240110 1/4 turn 6mm receptacle
08240111 1/4 turn fastener, retainer, 6mm
08240113 1/4 turn fastener, wingbolt
08240114 1/4 turn fastener, retainer
08240115 1/4 turn fastener pedestal
08240116 Cap for fastener pedestal
08261002 Spacer brass l=5, d=3.3 D=5.0
08261003 Spacer brass l=6, d=3.3 D=5.0
08261004 Spacer brass l=9, d=3.3 D=5.0
08261005 Spacer brass l=14, d=3.3, D=5
08261204 Spacer Snap-PCB / selftap , h = 9.4mm

08261312 Shim Washer d1=32, d2=44 mm, s=0,5, BN748
11040533 Wire, yellow/green, 1x0.75#, 25cm
11041053 Wire, brown, 1x0.75#, 13cm
11041054 Wire, brown, 1x0.75#, 32cm
11041055 Wire, brown, 1x0.75#, 21cm
11041056 Wire, brown, 1x0.75#, 13cm
11041079 Wire, yellow/green, 1x0.75#, 18cm
11041566 Wire, blue, 1x0.75#, 13cm
11041567 Wire, blue, 1x0.75#, 21cm
11042019 Wire, red, 1x0.75#, 13cm
11042020 Wire, red, 1x0.75#, 32cm
11042539 Wire, black, 1x0.75#, 13cm
11042540 Wire, black, 1x0.75#, 13cm
11043013 Wire, grey, 1x0.75#, 13cm
11043507 Wire, purple, 1x0.75#, 14cm
11044007 Wire, orange, 1x0.75#, 16cm
11321504 Wire, blue, 1x0.75#UL, 132cm, SIFF
11322504 Wire, black, 1x0.75#UL, 120cm, SIFF
11421503 Wire, blue, 1x0.75#UL, 17cm, SIFF
11501013 Mains cable I.E.C. 3pin , 3 m
11601002 Wire for stepmotor, 270mm, 4 wire, NMB
11602006 Wire for stepmotor, 53cm, 4 wire, NMB
11603007 Wire for stepmotor, 100cm, 6 wire, high flex, 0.14#
11604004 Wire for stepmotor, 100cm, 4 wire, NMB
11604005 Wire for stepmotor, 110cm, 4 wire, NMB
11720001 Wireset 6x0.14# ,2 fem. plugs, black, 1000mm
11720005 Wireset, 6x0.3#, 2 fem. plugs, black, 365mm
11820008 XLR cable 5m black 3P male-3P female
13101008 Wire retainer, flexible
13104000 Strap, black , high temp, 2.5x98mm
13104020 Strap, auto, high-temp., 2.5x103mm
13200000 5/9/12mm Rubber nibble pla
13200007 Rubber nibble DA 60/90/20
15800000 Sleeve flexible ,hose 5mm, black
15802001 Silicon/glas sleeve d=4mm ,black
15804000 Sleeve tube flexible 10mm, black
16000020 Plastic toothwheel, S3M-134
16000030 Timing pulley T2.5 , Z =24
16000060 Timing pulley, S3M, Z=16, l=17mm
16000120 Timing pully, T2.5, Z=24, d=5, drilled
16000170 Pulley for rot. gobowheel, MAC 500, degreased
16000190 S3M,Z=32,Timing pulley, l=15mm
16000270 Timing pulley focus, T2.5, Z=48
16040050 Timing belt, supertorque MBL, l=486
16040110 Timing Belt S3M 597
16040150 Timing belt l=160, w=6mm, t=2.5, green
16080180 Rubber tooth wheel, MAC 500

16080190 Toothwheel, z=22 m=1 5mm shaft
16300070 Adaptor for rot. gobowheel, MAC 500, degreased
16300131 Adaptor w. 5mm hole, degreased
16720210 Shaft for rot. gobowheel, Maestro
16760021 Closed Ball Bearing, 608 ZZ, Uniway LIX 625
16760030 Closed ball bearing, D=16 , d=5 ,LC
16760071 Ball bearing 1, D=27, d=20, b=4
16760131 Ball bearing, D=11, d=5, s=5
16760140 Ball bearing, D=52, d=40, b=4
16760170 Ball bearing, D=42, d=30, b=7
16780160 Bushing for belt adjust., MiniMAC
16900070 Shaft, belt wheel, MiniMAC
16900080 Shaft, Pan/Tilt, MiniMAC
16920130 Bearingadapt, belt wheel, MiniMAC
16920140 Bearingadapt, Pan/Tilt, MiniMAC
16920150 Bearingadaptor belt wheel MiniMAC
16920180 Gobowh. bearing block, Maestro
17020170 Gobowheel, Maestro
17040240 Shutter plate, Maestro
17200690 Condensor lens holder, Maestro
17320190 Toothed rot. guide, Maestro
17740020 Tension spring, D=10, d=1x25
17760220 Spring for pan switch, MiniMac
17760230 Conical Spring 1x37x39x20
17780190 Spring Clip for gobos Maestro
17780200 Spring Clip for colors, Maestro
17800220 Bushing $\varnothing 8/\varnothing 12$ x 4.5, Maestro
17820190 Spacerpl. for cam lock system
17820240 Spacer Plate for Gobospring, Maestro
17820250 Spacer Plate, colorspring Maestro
17820260 Spacer Plate2 colorspring, Maestro
17820360 Teflon spacer D=30, Maestro II
17820370 Spacer for gobo wheel motor
17820380 Teflon spacer for shutter motor
18000040 Mec. stop adaptor for rot. gobowheel, MAC 500, degreased
18020240 Pl., Mec. Stop, Pan, MiniMAC
18300110 Plate for termoswitch, MiniMAC Maestro
19440040 Rubber foot 25x15mm. Black
19600120 Counterweight 2, Tilt, Maestro
19600130 Counterweight 1, tilt, Maestro
19600140 Counter weight, large, tilt
20620080 $\varnothing 8,0$ 14x4mm Silicone ring
23003040 Plate for Belt adjust, MiniMAC
23003060 Plate for capacitor, MiniMAC
23003070 Plate for ballast, MiniMAC
23003090 Plate for handle, MiniMAC
23003290 Plate for base bearing, Maestro

23003300 Plate 1 for lamp, Maestro
23003310 Plate 2 for lamp, Maestro
23003320 Plate 1 for reflector, Maestro
23003330 Plate 2 for reflector, Maestro
23200980 Lamp lid, Head miniMAC
23400400 Plast shell Head Top, Black, MiniMac
23400411 Bottom shell, head, black, type II (ext. screw)
23400420 Plast shell Arm outer, Black, MiniMac
23400430 Plast shell Arm inner, MiniMac
23400440 Plast shell Base top, Black, MiniMac
23400450 Plast shell Base bottom, MiniMac.
23400460 Plast shell Base Ventilation, MiniMac
23400470 Rubber cabinet list long, MiniMac
23400480 Rubber cabinet list short front, MiniMac
23400490 Rubber cabinet list short rear, MiniMac
23400660 Plast shell Head Top, Titanium, MiniMac
23400670 Plast head bottom, Titanium, MiniMAC
23400680 Plast Arm outer, Titanium, MiniMac
23400690 Plast Arm inner, Titanium, MiniMac
23400700 Plast base top, Titanium, MiniMac
23400750 Front cabinet, MiniMAC Maestro
23804602 Plate 1 for Yoke, MiniMAC
23804612 Plate 2 for Yoke, MiniMAC
23804622 Plate 3 for Yoke, MiniMAC
23804710 Plate for Pan motor, MiniMAC
23804720 Chassisplate, Base, MiniMAC
23804730 Base support plate, MiniMAC
23805670 Gobo Rot Module Plate, Maestro
23806680 Focus motor plate, Maestro II
23806690 Focus guide plate, Maestro II
23806700 Focus wagon pl. 1, Maestro II
23806710 Focus wagon pl. 2, Maestro II
23806730 Sensorplate, Maestro II
23806760 Chassis module plate, Maestro II
23806810 PCB module plate, Maestro
23806820 Gobo module plate, Maestro II
23806830 Airblock plate, Maestro
33001006 Keyboard overlay, MiniMAC
33001014 MiniMAC Maestro label
33002002 Adhesive aluminium foil, 100 x 100 x 0.05 mm
33120036 Label, PCB connection, Maestro II
33140013 Label Instructions 1/4 turn
33150015 Label Safetywire/Eye Bolt
33150016 Label Warning MiniMAC Clamps
33190009 Label Front
34000067 Cardboard box, MiniMAC Maestro
34204004 MiniMAC Polystyren packing

34240003 PLAST BAG 180x360
34240006 PLAST BAG,600x850mm,Spandepose
34240016 Plast bag, 60x80, fuse
34240017 Plast bag, 60x80, f. fuse, EU 200-250V
34420502 Rubberband 250x15 mm
35000091 User manual, MiniMac Maestro
37000401 UV-glue, 150°C, 25 ml
37000803 Locktite 330 Multibond w. Activator, 50 ml.
37000804 Locktite Multibond Activator 500 ml.
37001001 Silicone glue, mediumtemp. (250°C), black
37001201 Silicon glue, hightemp. (250°C), red
41000020 Spherical Reflector D=63.65 r=-36.7
41200022 Lens, Asph/plano, D=40, Pyrex, coated
41201004 Lens, Pl/Cx, D=40 mm, coated
41203015 Lens, 5 element in aluminium housing
43030000 DHA Advertisement gobo E size
43030001 Apollo Advertisement gobo E size, metal gobo
43042006 Beacon Advertisement gobo E-size, Full color glass gobo
55230017 Wireset, MiniMAC
55230027 PCB/switch module, Maestro II
55230079 Shell parts, Titanium
55230105 MiniMAC Maestro Yoke
55230107 Gobo Wheel, Maestro, complete w. gobos
55230109 Condensor module, MiniMAC Maestro
55230113 Reflector module, MiniMAC Maestro
55230114 Maestro II, Head
55230115 Plastassemb. head, Maestro II
55230116 Maestro II, base
55230117 Plastassemb. base, Maestro II
55230121 Gobo Rotation module, MiniMAC Maestro
55230125 Lamp socket module, Maestro II
55230126 Shutter assembly, MiniMac Maestro II
62000058 PCB MiniMAC Display/Keyboard, Tested.
62000075 PCB, MiniMAC Maestro II, tested
62003009 PCB Hall sensor MAC250
62003016 PCB hall sensor,MiniMac Maestro II
62004510 PCB connector, 1x6pol+4x3pol
62005006 PCB Voltage/Feq. select, Asmb
62203183 Wire for Display, 180mm
62203184 Wireset for relay,Minimac
62203185 Wireset mains in,Minimac
62203186 Wireset Power PCB, Minimac
62203187 Wireset for step-up,Minimac
62203188 Wireset for ballast,Minimac
62203197 Wire for head fan, MiniMAC
62203234 Wire for micro-switches
62203235 Wire for hall sensor, 6pol - 2x3pol.

62203276 Minimac maestro II, Wireset, Base-arm, highflex wire
62222026 Fan 1.6` with plug 200mm wire
62222053 Fan 12V DC, 75x75mm W. plug, wire 22cm
62223015 #20uF 250V Capacitor prep w plugs
62224029 Socket G12 Maestro
62243044 Wireset, 6x0.14#, 2 fem., 365mm "SENSOR"
62248010 Wire stepmotor 4 wire 1100mm ;FOCUS;
62248011 Wire stepmotor 4 wire 530mm ;TILT;
62248012 Wire stepmotor 4 wire 270mm ;PAN;
62248013 Wire stepmotor 4 wire 1100mm ;GOBO;
62248014 Wire stepmotor 4 wire 1000mm ;ROGO;
62325023 Gobowheel no gobos, MiniMAC Maestro
62334000 Magnet in plastic housing Pro1220/Pro518/MAC500
62334020 Silicone idle wheel W/magnet
62400164 Rot goboguide w. bearing 44 th, for MiniMAC Maestro
62420021 Starter assembly for Maestro
91602001 Omega bracket, new w. 1/4-turn
97010111 Lamp Master Color CDM-SA/T 150W, Discharge,

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