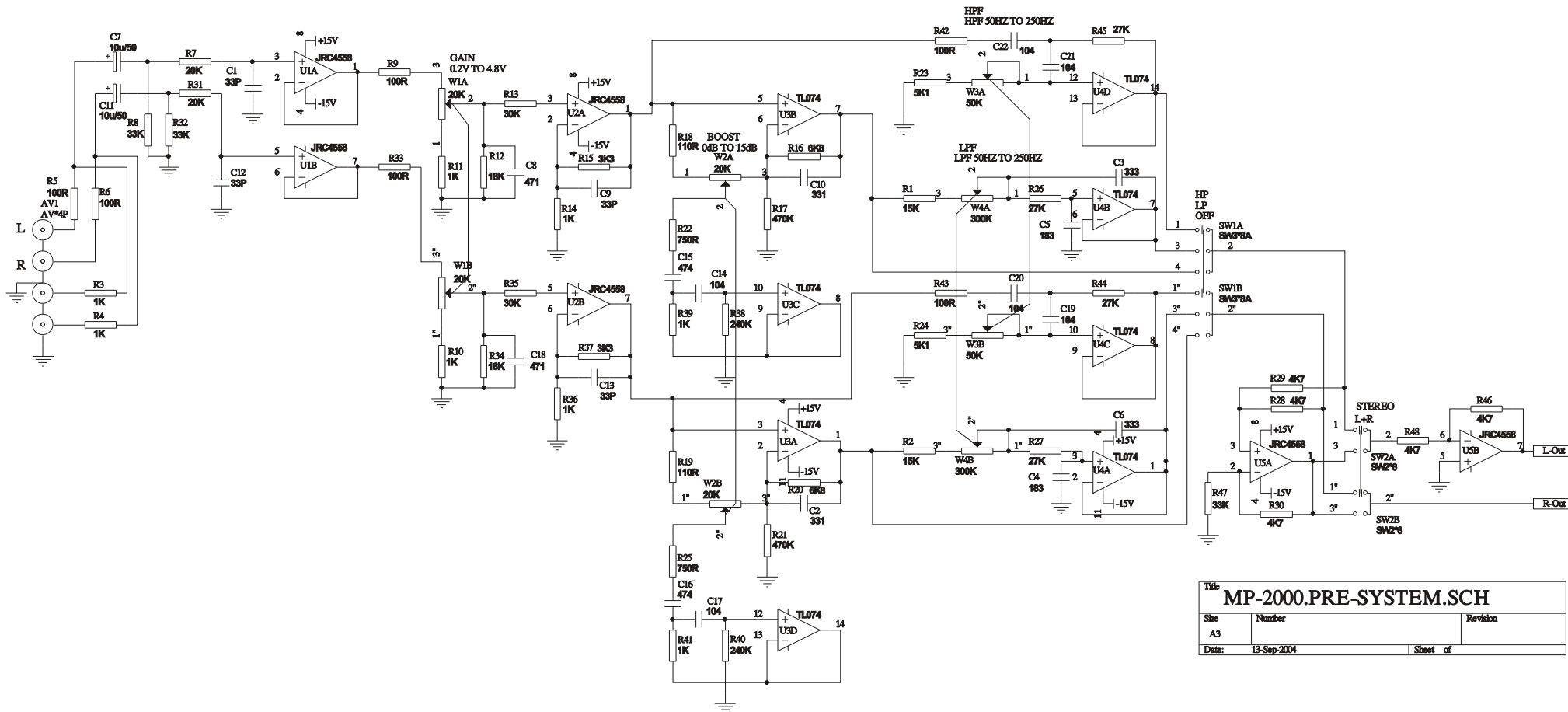




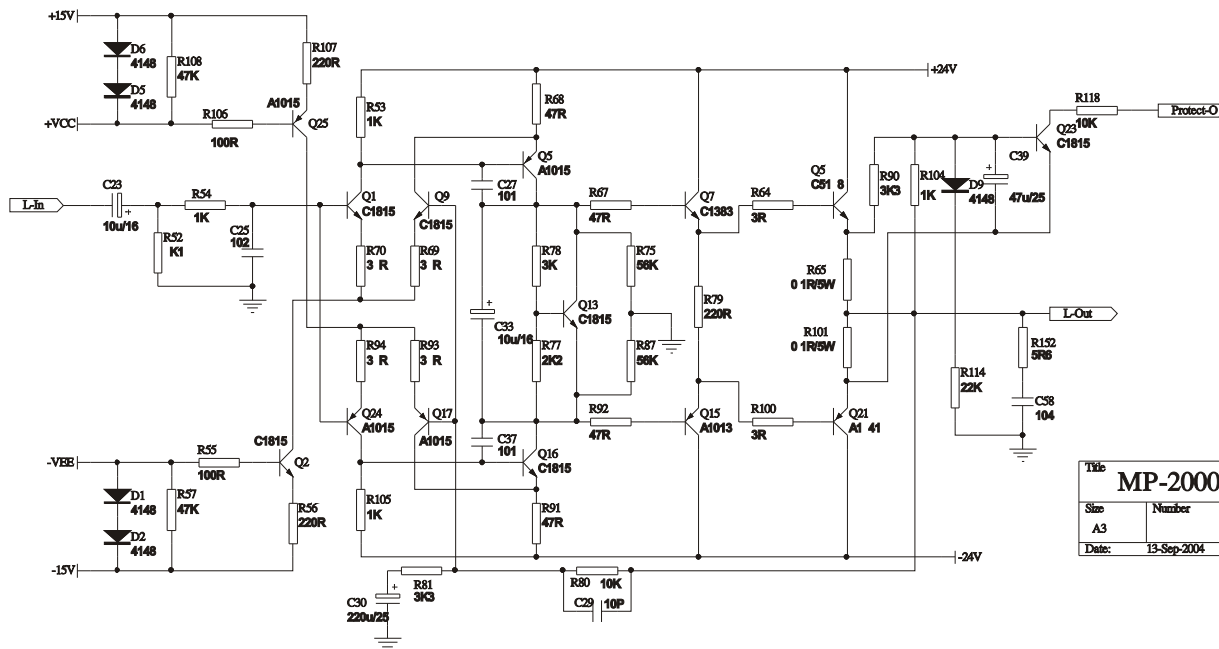
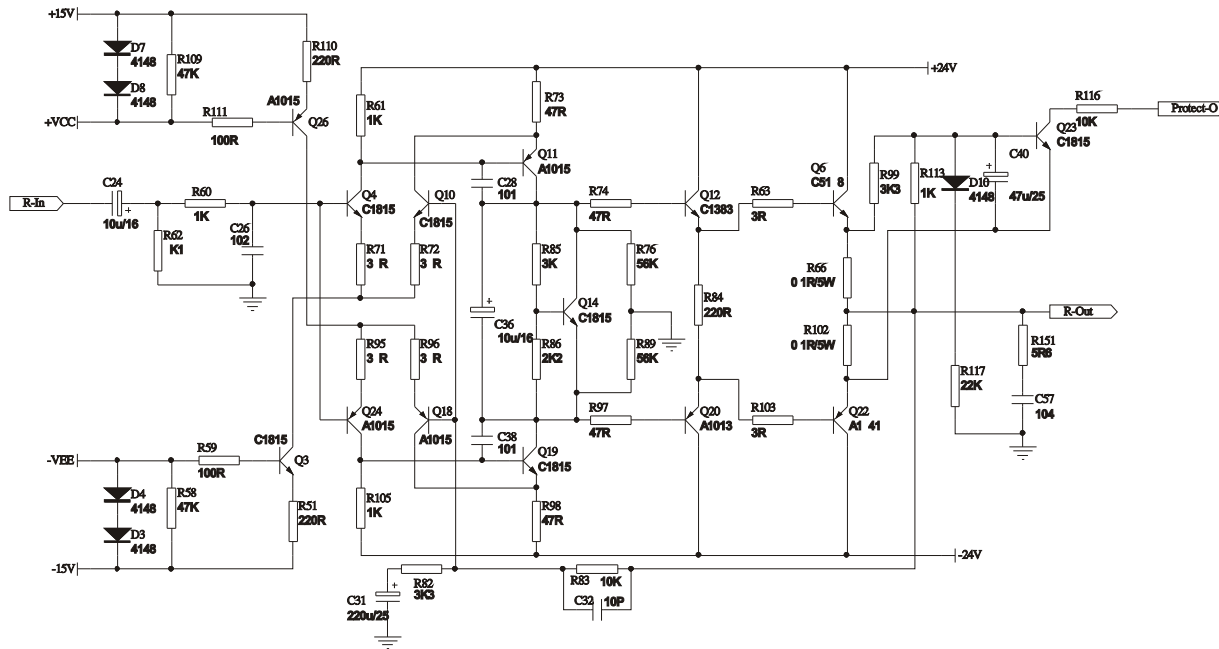
**MP 2000**

Maße über alles: 239 mm x 59 mm x 226 mm

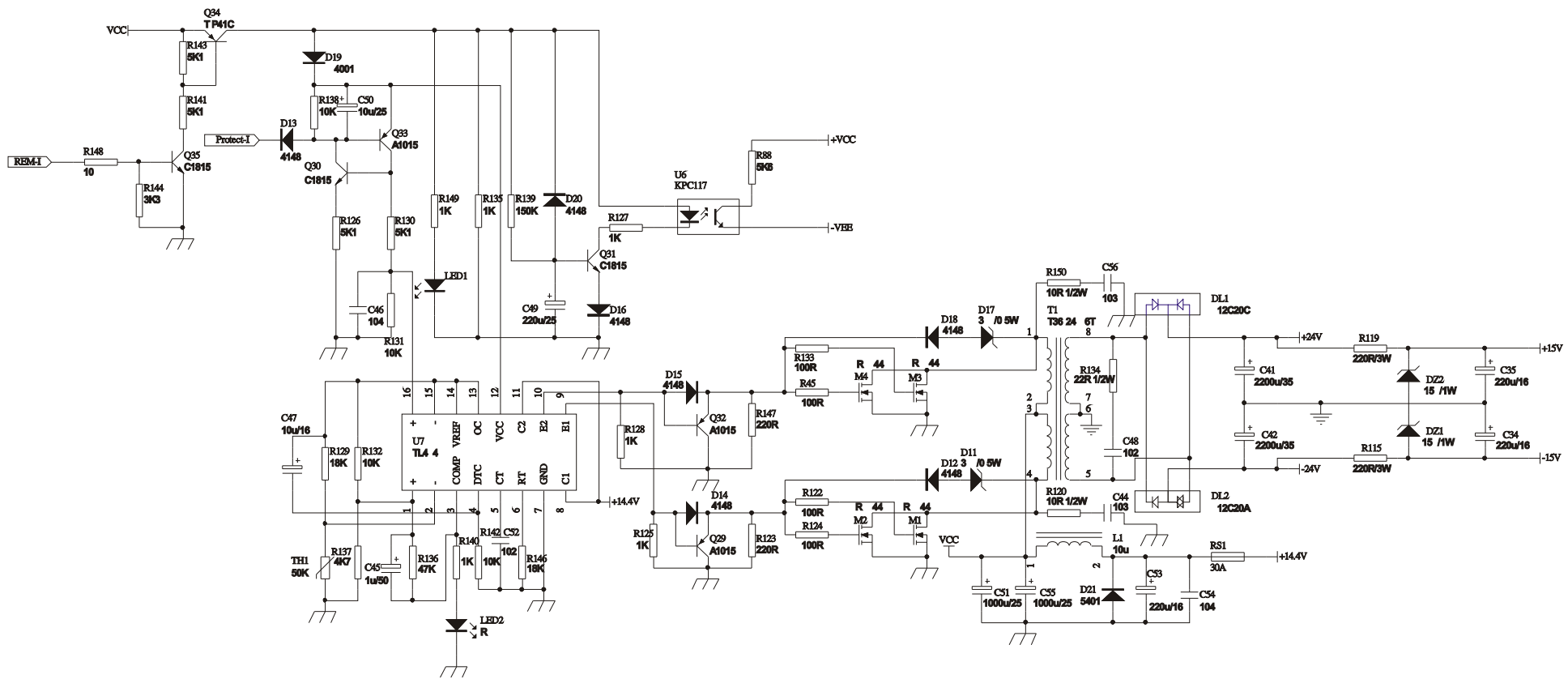




Title: **MP-2000.PRE-SYSTEM.SCH**  
 Size: A3  
 Number: 13-Sep-2004  
 Revision: Sheet of



|                              |             |          |
|------------------------------|-------------|----------|
| Title                        |             |          |
| <b>MP-2000.AMPLIFIER.SCH</b> |             |          |
| Size                         | Number      | Revision |
| A3                           |             |          |
| Date:                        | 13-Sep-2004 | Sheet of |



|                               |             |          |
|-------------------------------|-------------|----------|
| Title                         |             |          |
| <b>MP-2000.POW-SYSTEM.SCH</b> |             |          |
| Size                          | Number      | Revision |
| A3                            |             |          |
| Date:                         | 13-Sep-2004 | Sheet of |



## Spare part list

Product Name: Car Amplifier  
Brand Name : Mac Audio

Model No. :MP-2000

| Serial number | Types                | Description of components  | C               | u  | Unit | C                                 |
|---------------|----------------------|----------------------------|-----------------|----|------|-----------------------------------|
| 001           | PCB                  | PCB                        | MP-2000:PCB-A01 | 1  | PC   |                                   |
| 002           | Safety components    | Coils                      | Φ36             | 1  | PC   |                                   |
|               |                      | OSC Coils                  | Φ10             | 1  | PC   |                                   |
|               |                      | Fuse                       | 30A             | 1  | PC   |                                   |
|               |                      | Fuse Holder                | one way         | 1  | PC   |                                   |
| 003           | Inserting components | RCA socket                 | A 4 7           | 1  | PC   | AV1                               |
|               |                      | Terminals                  | three way       | 1  | PC   | JX1                               |
|               |                      |                            | four way        | 1  | PC   | JX2                               |
|               |                      | Direct-Pulling Switch      | SK22H09G9       | 1  | PCS  | SW2                               |
|               |                      |                            | SK23D29G9       | 1  | PCS  | SW1                               |
| 004           | IC                   | IC                         | JRC4558C        | 3  | PCS  | U1, U2, U3                        |
|               |                      |                            | PC817           | 1  | PCS  | U6                                |
|               |                      |                            | TL074           | 2  | PCS  | U4, U5                            |
|               |                      |                            | TL4 4           | 1  | PCS  | U7                                |
| 005           | Transistor           | MOSFET                     | R 44            | 4  | PCS  | 1 2 3 4                           |
|               |                      | T                          | A1013           | 2  | PCS  | 15 20                             |
|               |                      |                            | C2383           | 2  | PCS  | 7 12                              |
|               |                      |                            | A1015           | 12 | PCS  | 8 11 17 18 24 25 26 27 2 32 33 34 |
|               |                      |                            | C1815           | 15 | PCS  | 1 4 10 13 14 16 1 23 28 30 31 35  |
|               |                      |                            | A1695           | 2  | PCS  | 21 22                             |
|               |                      |                            | C4468           | 2  | PCS  | 5 6                               |
|               |                      | Schottky Barrier Rectifier | 12C20A          | 1  | PCS  | L2                                |
|               |                      |                            | 12C20C          | 1  | PCS  | L1                                |
|               |                      | Rectifier Diodes           | 5401            | 1  | PCS  | 21                                |
|               |                      | Switch Diodes              | 4148            | 18 | PCS  |                                   |
|               |                      | LED                        | φ3              | 2  | PCS  | red ,green                        |
|               |                      | Voltage Stabilizing Diodes | 15 /1W          | 2  | PCS  | 1 2                               |
|               |                      |                            | 3 /0 5W         | 2  | PCS  | 11 17                             |

## Spare part list

Product Name: Car Amplifier  
Brand Name : Mac Audio

Model No. : MP- 2000

| Serial number | Types     | Description of components | C       | u        | Unit   | C              |     |  |
|---------------|-----------|---------------------------|---------|----------|--|----------------|-----|--|
| 006           | Resistors | Thermal Resistors         | RTH-50K | 1        | PCS  | with metal "Y" |     |  |
|               |           | RTX-5W-0 1Ω               | 4       | PCS      | R65 R66 R101 R102  |                |     |  |
|               |           | RTX-3W-220Ω               | 2       | PCS      | R115,R119  |                |     |  |
|               |           | RTX-1/2W-3Ω               | 4       | PCS      | R63 R64 R100 R103  |                |     |  |
|               |           | RTX-1/2W-4.7Ω             | 2       | PCS      | R151 R152  |                |     |  |
|               |           | RTX-1/2W-10Ω              | 2       | PCS      | R120 R150  |                |     |  |
|               |           | RTX-1/2W-22Ω              | 1       | PCS      | R134   |                |     |  |
|               |           | RTX-1/4W-47Ω              | 4       | PCS      | R4 R50 R115 R11  |                |     |  |
|               |           | RTX-1/8W-39Ω              | 8       | PCS      | R69 R70 R71 R72 R93 R94 R95 R96                            |                |     |  |
|               |           | RTX-1/8W-47Ω              | 8       | PCS      | R67 R68 R73 R74 R 1 R 2 R 7 R 8                            |                |     |  |
|               |           | RTX-1/8W-100Ω             | 14      | PCS      | R5 R6 R R R33 R42 R43 R55 R5 R106 R111 R122 R124 R133 R145 |                |     |  |
|               |           | RTX-1/8W-110Ω             | 2       | PCS      | R18 R1   |                |     |  |
|               |           | RTX-1/8W-220Ω             | 8       | PCS      | R7 R84 R51 R56 R107 R110 R123 R147                         |                |     |  |
|               |           | RTX-1/8W-750Ω             | 2       | PCS      | R22 R25  |                |     |  |
|               |           | RTX-1/8W-1KΩ              | 20      | PCS      |  |                |     |  |
|               |           | RTX-1/8W-1 3KΩ            | 2       | PCS      |  |                |     |  |
|               |           | RTX-1/8W-2 2KΩ            | 4       | PCS      |  |                |     |  |
|               |           | RTX-1/8W-3 3KΩ            | 5       | PCS      | R15 R37 R 0 R R144   |                |     |  |
|               |           | RTX-1/8W-3 KΩ             | 2       | PCS      | R78 R85  |                |     |  |
|               |           | RTX-1/8W-4 7KΩ            | 6       | PCS      | R28 R2 R30 R46 R48 R137                                    |                |     |  |
|               |           | RTX-1/8W-5.1KΩ            | 6       | PCS      | R23, R24, R126 R130 R141 R143                              |                |     |  |
|               |           | RTX-1/8W-5.6KΩ            | 2       | PCS      | R88 R14  |                |     |  |
|               |           | RTX-1/8W-6 8KΩ            | 2       | PCS      | R16 R20  |                |     |  |
|               |           | RTX-1/8W-9 1KΩ            | 2       | PCS      | R52 R62  |                |     |  |
|               |           | RTX-1/8W-10KΩ             |         | PCS      | R80, R83, R116 R118 R131 R132 R138 R142 R148               |                |     |  |
|               |           | RTX-1/8W-15KΩ             | 2       | PCS      | R1, R2,  |                |     |  |
|               |           | RTX-1/8W-18KΩ             | 4       | PCS      | R12 R34 R146 R12   |                |     |  |
|               |           | RTX-1/8W-20KΩ             | 2       | PCS      | R7 R31   |                |     |  |
|               |           | RTX-1/8W-22KΩ             | 2       | PCS      | R114 R117  |                |     |  |
|               |           | RTX-1/8W-27KΩ             | 4       | PCS      | R26 R27 R44 R45  |                |     |  |
|               |           | RTX-1/8W-30KΩ             | 2       | PCS      | R13 R35  |                |     |  |
|               |           | RTX-1/8W-33KΩ             | 3       | PCS      | R8 R32 R47   |                |     |  |
|               |           | RTX-1/8W-47KΩ             | 7       | PCS      | R57 R58 R108 R10 R136 R155 R156                            |                |     |  |
|               |           | RTX-1/8W-56KΩ             | 4       | PCS      | R75 R76 R87 R8   |                |     |  |
|               |           | RTX-1/8W-150KΩ            | 1       | PCS      | R13  |                |     |  |
|               |           | RTX-1/8W-240kΩ            | 2       | PCS      | R38 R40  |                |     |  |
|               |           | RTX-1/8W-470kΩ            | 2       | PCS      | R17 R21  |                |     |  |
|               |           |                           |         | Trimmers | 1710-15-axis-c50K  | 1              | PCS |  |
|               |           |                           |         |          | 1710-15-axis-c20KΩ   | 2              | PCS |  |
|               |           |                           |         |          | 1710-15-axis-c300K   | 1              | PCS |  |

## Spare part list

Product Name: Car Amplifier  
Brand Name : Mac Audio

Model No. : MP- 2000

| Serial number | Types      | Description of components   | C                   | u               | Unit | C                                      |
|---------------|------------|-----------------------------|---------------------|-----------------|------|--|
| 007           | capacitors | Electrolytic capacitors     | CD11-50V-1u 85□     | 1               | PCS  | C45                                    |
|               |            |                             | CD11-25V-10u 85□    | 7               | PCS  | C7 C11□C23 C24 C33 C36 C50             |
|               |            |                             | CD11-16V-47u 85□    | 2               | PCS  | C3 C40                                 |
|               |            |                             | CD11-16V-100u 85□   | 1               | PCS  | C47                                    |
|               |            |                             | CD11-16V-220u 85□   | 6               | PCS  | C30 C31 C34 C35 C4 C53                 |
|               |            |                             | CD11-35V-1000u 105□ | 2               | PCS  | C51 C55                                |
|               |            |                             | CD11-35V-2200u 105□ | 2               | PCS  | C41 C42                                |
|               |            | Ceramic Electric Capacitors | CCX-63V-10p         | 2               | PCS  | C29, C32                               |
|               |            |                             | CCX-63V-33p         | 4               | PCS  | C1 C C12 C13                           |
|               |            |                             | CCX-63V-101         | 4               | PCS  | C27 C28 C37 C38                        |
|               |            |                             | CCX-63V-104         | 1               | PCS  | C46                                    |
|               |            |                             | CCX-63V-331         | 2               | PCS  | C2 C10                                 |
|               |            | Polyester Capacitors        | CL-100V-102         | 2               | PCS  | C52 C48                                |
|               |            |                             | CL-100V-103         | 2               | PCS  | C44 C56                                |
|               |            |                             | CL-100V-104         | 10              | PCS  | C14 C17 C43 C54 C57 C58 C1 C20 C21 C22 |
|               |            |                             | CL-100V-183         | 2               | PCS  | C4, C5,                                |
|               |            |                             | CL-100V-333         | 2               | PCS  | C3 C6                                  |
|               |            | CBB Capacitors              | 474                 | 2               | PCS  | C15, C16                               |
|               |            | colour capactiors           | 222                 | 2               | PCS  | C25 C26                                |
|               |            |                             | 471                 | 2               | PCS  | C8 C18                                 |
|               |            | 008                         | Connecting line     | J line(Φ0.65mm) | 4    | 4                                      |
| 5             | 1          |                             |                     |                 | PCS  |  |
| 6             | 15         |                             |                     |                 | PCS  |  |
| 7             | 1          |                             |                     |                 | PCS  |  |
| 8mm           | 10         |                             |                     |                 | PCS  |  |
| 10            | 3          |                             |                     |                 |      |  |
| 12            | 6          |                             |                     |                 | PCS  |  |
| 13mm          | 1          |                             |                     |                 | PCS  |  |
| 14mm          | 2          |                             |                     |                 | PCS  |  |
| 15            | 1          |                             |                     |                 | PCS  |  |
| 16mm          | 2          |                             |                     |                 | PCS  |  |
| 18            | 3          |                             |                     |                 | PCS  |  |
| 20            | 3          |                             |                     |                 | PCS  |  |

## Spare part list

Product Name: Car Amplifier  
Brand Name : Mac Audio

Model No. : MP- 2000

| Serial number     | Types       | Description of components | Specifications & Model No. | u   | Unit | components / Remark |  |
|-------------------|-------------|---------------------------|----------------------------|-----|------|---------------------|--|
| 009               | hardware    | side alluminium cover     | L=200MM                    | 2   | PCS  |                     |  |
|                   |             | TOP Alluminium cover      |                            | 1   | PCS  |                     |  |
|                   |             | Front Panel               |                            | 1   | PCS  |                     |  |
|                   |             | Rear Panel                |                            | 1   | PCS  |                     |  |
|                   |             | Bottom Panel              |                            | 1   | PCS  |                     |  |
|                   |             | logo                      |                            | 1   | PCS  |                     |  |
|                   |             | amplifier brackets        | big                        |     | 2    | PCS                 |  |
|                   |             |                           | middle                     |     | 3    | PCS                 |  |
|                   |             |                           | BT3X4                      |     |      | PCS                 |  |
|                   |             | Screw                     | BAT2.5X6                   |     | 2    | PCS                 |  |
|                   |             |                           | BBH3X12                    |     | 5    | PCS                 |  |
|                   |             |                           | CAH3X10                    |     | 3    | PCS                 |  |
|                   |             |                           | CAH3X5                     |     | 8    | PCS                 |  |
|                   |             |                           | CMH3X5                     |     | 6    | PCS                 |  |
|                   |             | Meson                     | Φ3                         |     | 6    | PCS                 |  |
| Flexibility Meson | Φ3          |                           | 6                          | PCS |      |                     |  |
| 010               | Plastics    | Polybag                   | 70 50                      | 1   | PCS  |                     |  |
|                   |             |                           | 370 320                    | 1   | PCS  |                     |  |
|                   |             | mica plates               | middle                     | 4   | PCS  |                     |  |
|                   |             |                           | small                      | 6   | PCS  |                     |  |
|                   |             | Coils pad                 | Φ36                        | 1   | PCS  |                     |  |
|                   |             | Knob                      |                            | 4   | PCS  |                     |  |
| Switch Catton Pad |             | 2                         | PCS                        |     |      |                     |  |
| 011               | Package     | Poly-form                 | Mp2000                     | 1   | PCS  |                     |  |
|                   |             | Fuse                      | 30A                        | 1   | PCS  |                     |  |
|                   |             | Screw                     | A5 10                      | 4   | PCS  |                     |  |
|                   |             | Meson                     | Φ5                         | 4   | PCS  |                     |  |
|                   |             | Flexibility Meson         | Φ5                         | 4   | PCS  |                     |  |
|                   |             | User's Manual             | Mp 2000                    | 1   | PCS  |                     |  |
|                   |             | Gift Box                  | Mp2000                     | 1   | PCS  |                     |  |
| 012               | Accessories | RCA Jacks Covering        |                            | 4   | PCS  |                     |  |
|                   |             | Groundwire Solder Plate   | Φ5                         | 1   | PCS  |                     |  |
|                   |             | Tube                      |                            | /   | PCS  |                     |  |
|                   |             | Glue                      |                            |     |      |                     |  |
|                   |             | Tin                       |                            |     | few  |                     |  |