

# WMS

# 4000/4500

WIRELESS MICROPHONE SYSTEM

**SERVICE MANUAL**

07/2015

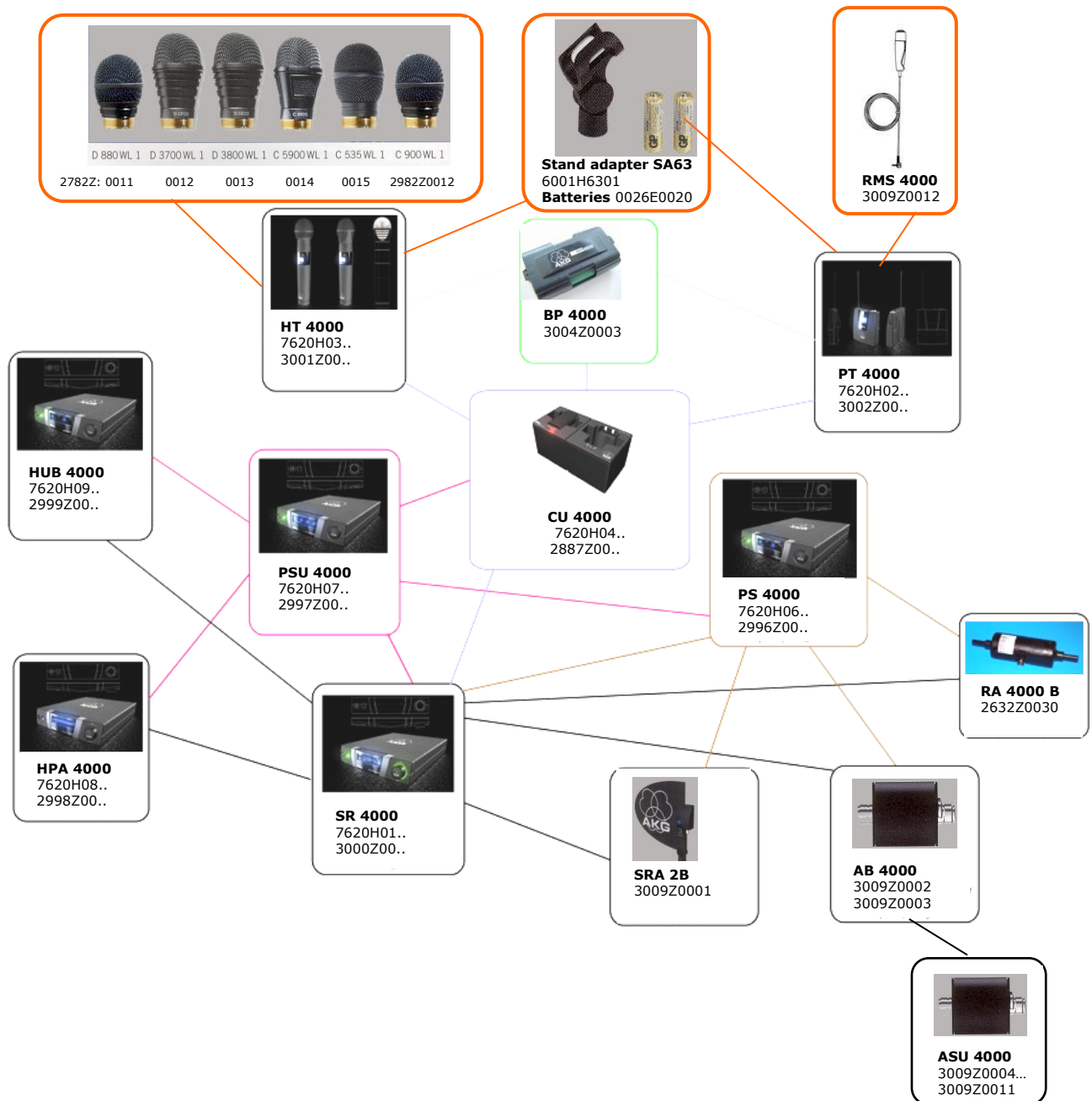
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## The complete WMS4000/4500 - Family

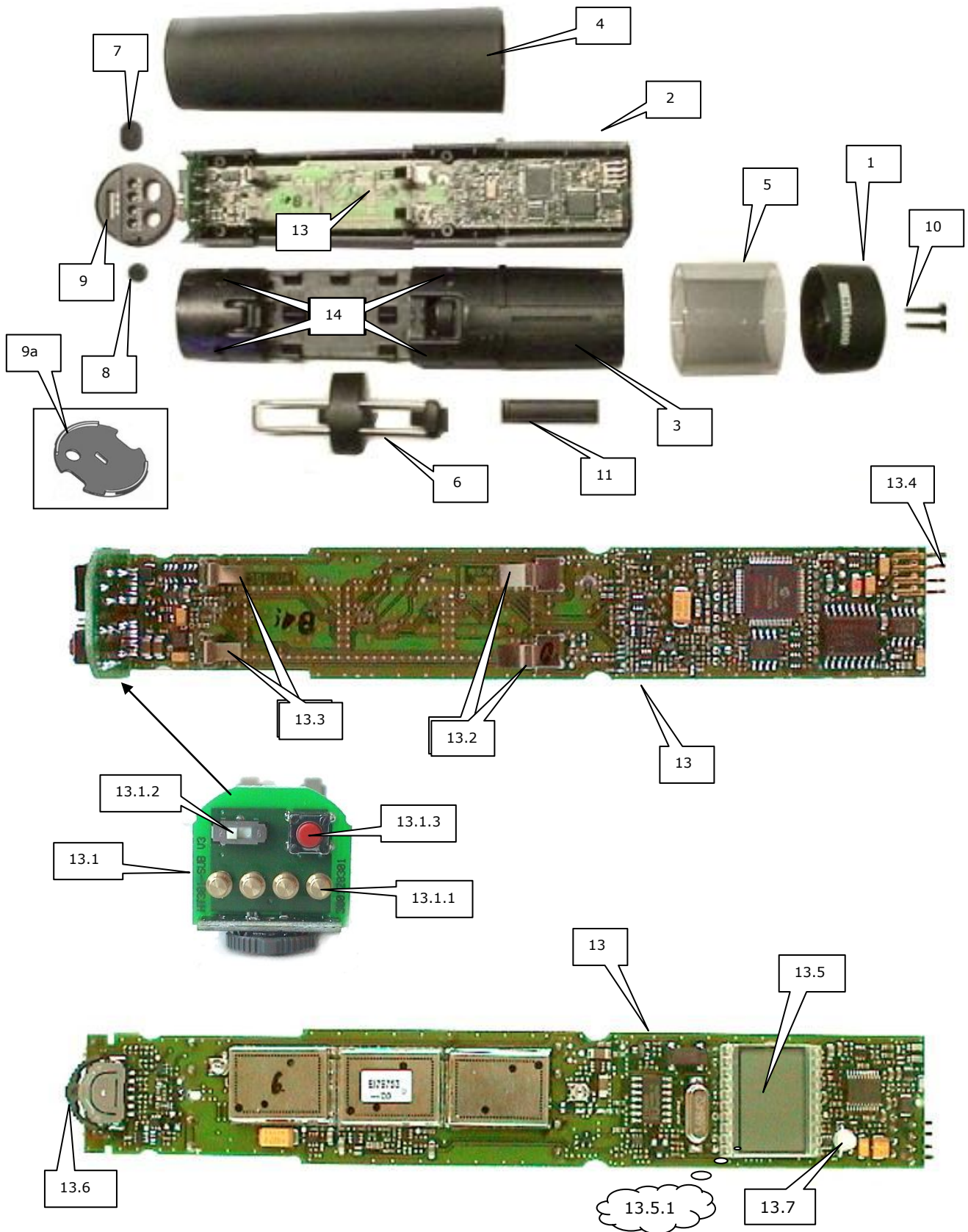


**RMU** see SR4000 and PS4000 parts list

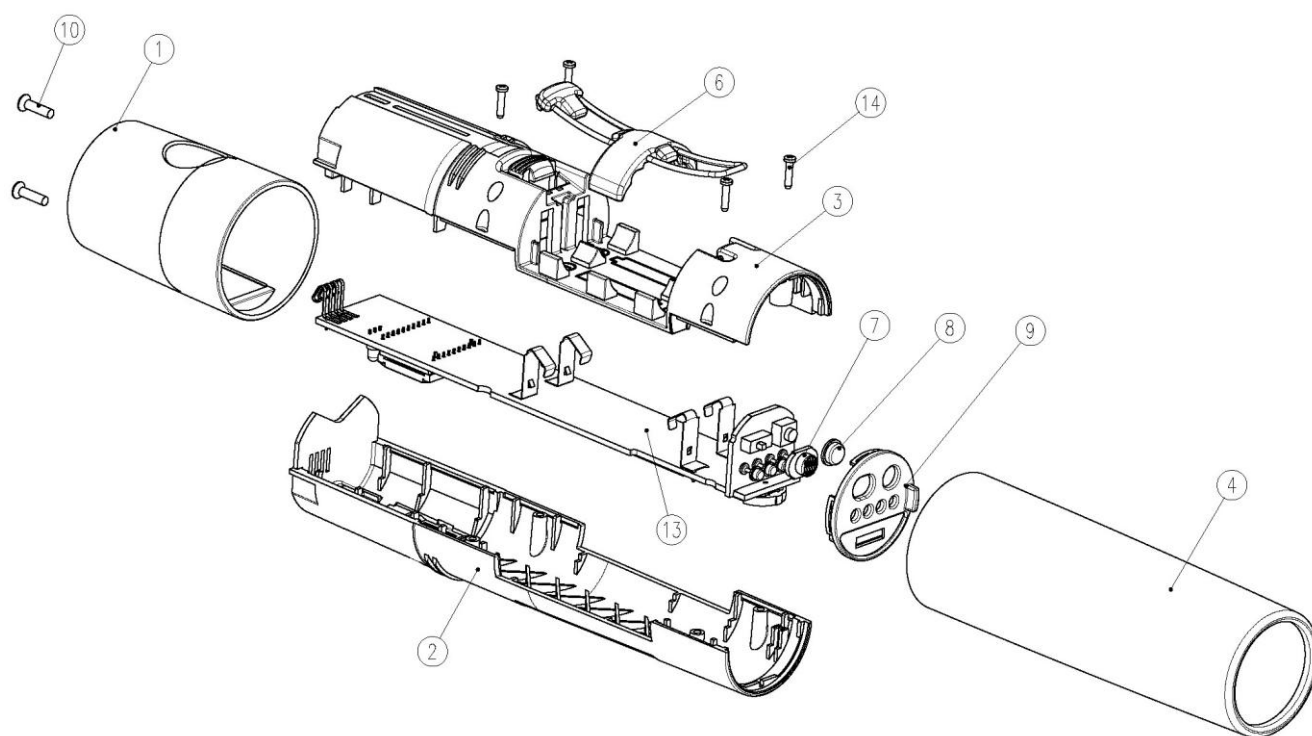
| Frequency range Mhz |           |
|---------------------|-----------|
| Band I              | 650 - 680 |
| Band II             | 680 - 710 |
| Band III            | 720 - 750 |
| Band IV             | 760 - 790 |
| Band V              | 790 - 829 |
| Band VI             | 835 - 862 |
| Band VII            | 500 - 530 |
| Band VIII           | 570 - 600 |

|     |                             |
|-----|-----------------------------|
| SR  | Stationary receiver         |
| HT  | Handheld Transmitter        |
| PT  | Pocket Transmitter          |
| PS  | Power Splitter              |
| SRA | Stationary receiver antenna |
| RA  | Receiver antenna            |
| AB  | Antenna booster             |
| ASU | Antenna supply unit         |
| PSU | Power supply unit           |
| HPA | Headphone amplifier         |
| RMU | Rack-mount unit             |
| BP  | Battery pack                |
| CU  | Charging unit               |

## HT4000 3001Z00...



## HT4500 3201Z00...



## HT4000/4500 Parts list

## HT4000/4500 Stückliste

| Description                    | Pos.   | Part number<br>Bestellnummer | Quantity<br>Stück |        | Bezeichnung                      |
|--------------------------------|--------|------------------------------|-------------------|--------|----------------------------------|
|                                |        |                              | HT4000            | HT4500 |                                  |
| Upper chassis ring             | 1      | 3001Z10110                   | 1                 | -      | Oberer Chassisring               |
| Upper chassis ring compl.      | 1      | 3201M10100                   | -                 | 1      | Oberer Chassisring kpl.          |
| Housing shell, lower           | 2      | 3001Z11010                   | 1                 | -      | Untere Gehäuseschale             |
| Housing shell, lower           | 2      | 3001Z11020                   | -                 | 1      | Untere Gehäuseschale             |
| Housing shell, upper           | 3      | 3001Z12010                   | 1                 | -      | Obere Gehäuseschale              |
| Housing shell, upper           | 3      | 3001Z12020                   | -                 | 1      | Obere Gehäuseschale              |
| Battery sleeve                 | 4      | 3001Z26040                   | 1                 | -      | Batteriehlse                     |
| Battery sleeve                 | 4      | 3001Z26050                   | -                 | 1      | Batteriehlse                     |
| Display cover                  | 5      | 3001Z14010                   | 1                 | -      | Display – Abdeckung              |
| Battery clamp assembly         | 6      | 3001M05010                   | 1                 | 1      | Batterieklammer, komplett        |
| Slide button 'Mute'            | 7      | 3001Z16010                   | 1                 | 1      | Schiebeknopf ,Mute'              |
| Push button 'Power'            | 8      | 3001Z17010#                  | 1                 | -      | Druckknopf 'Power'               |
| Push button 'Power' NEW        | 8      | 3001Z17020#                  | 1                 | 1      | Druckknopf ,Power' NEU           |
| Switch cover                   | 9      | 3001Z19010                   | 1                 | 1      | Schalterabdeckung                |
| Security cap, black            | 9a     | 3001Z27010                   | 1                 | 1      | Sicherheitsabdeckung, schwarz    |
| Screw KB25x10 black            | 10     | 0099N25050                   | 2                 | 2      | Schraube KB25x10 schwarz         |
| Color code holder              | 11     | 3001Z18010                   | 1                 | -      | Farbcodehalter                   |
| Transmitter board, complete    | 13     | 3001M010*                    | 1                 | -      | Sendep rint, komplett            |
| Transmitter-board, complete    | 13     | 3201M020*0                   | 1                 | 1      | Sendep rint, komplett            |
| Sub – board, complete          | 13.1   | 3001M03010                   | 1                 | 1      | Subp rint, komplett              |
| Contact pin                    | 13.1.1 | 3001Z22010                   | 4                 | 4      | Kontaktstift                     |
| Slide switch 'Mute'            | 13.1.2 | 0040E01980                   | 1                 | 1      | Schiebeschalter ,Mute'           |
| Push button switch 'Power'     | 13.1.3 | 0040E01970#                  | 1                 | -      | Druckschalter ,Power'            |
| Push button switch 'Power' NEW | 13.1.3 | 0040E02150#                  | 1                 | 1      | Druckschalter ,Power' NEU        |
| Battery contact                | 13.2   | 3001Z20010                   | 2                 | 2      | Batteriekontakt                  |
| Battery contact                | 13.3   | 3001Z25010                   | 2                 | 2      | Batteriekontakt                  |
| Contact spring                 | 13.4   | 3001Z21010                   | 4                 | 4      | Kontaktfeder                     |
| LCD display                    | 13.5   | 0013E01990                   | 1                 | 1      | LCD – Display                    |
| Display backlight              | 13.5.1 | 0013E01960                   | 1                 | 1      | Displaybeleuchtung               |
| Jog dial switch SW160          | 13.6   | 9040E00070                   | 1                 | 1      | Jog dial Schalter SW160          |
| Bicolor LED                    | 13.7   | 9014E00710                   | 1                 | 1      | LED zweifarbig                   |
| Screw KB18x8 black             | 14     | 0099N18020                   | 4                 | 4      | Schraube KB18x8 schwarz          |
| Securing screw 18x8 black      | 14**   | 9999N07010**                 | 4                 | -      | Sicherheitsschraube 18x8 schwarz |
| Label "AKG"                    | 15     | 4802S00020                   | -                 | 1      | Label "AKG"                      |
| Stand adapter SA63             | --     | 6001H63010                   | 1                 | 1      | Stativklammer SA63               |
| Color code set                 | --     | 3001Z24010                   | 1                 | -      | Farbcode-Set                     |
| Color cap set                  | --     | 2455Z00530***                | -                 | -      | Farbkappen-Set                   |

\*\*) for versions IV-B/10, V-D1/10 and V-D2/10 / für Varianten IV-B/10, V-D1/10 und V-D2/10

\*\*) sales item / Vertriebsware

#) 3001Z1701 can only be used with 0040E0197 (old version); 3001Z1702 can only be used with 0040E0215 (new version)

#) 3001Z1701 nur mit 0040E0197 verwenden (alte Version); 3001Z1702 nur mit 0040E0215 verwenden (neue Version)

### \*) Important!

As a result of a new board and firmware design of the transmitter board 3201M020...

The board 3001M010.. will be no longer available.

For ordering the HT4000/HT4500 main transmitter boards we need the information as follows.

1. Board number: 3201M02010 – 3201M02080
2. Type: HT4000 or HT4500
3. Preset programming: V-A 50mW (for HT4000) or 5-C 10mW (for HT4500) etc.

## HT4000

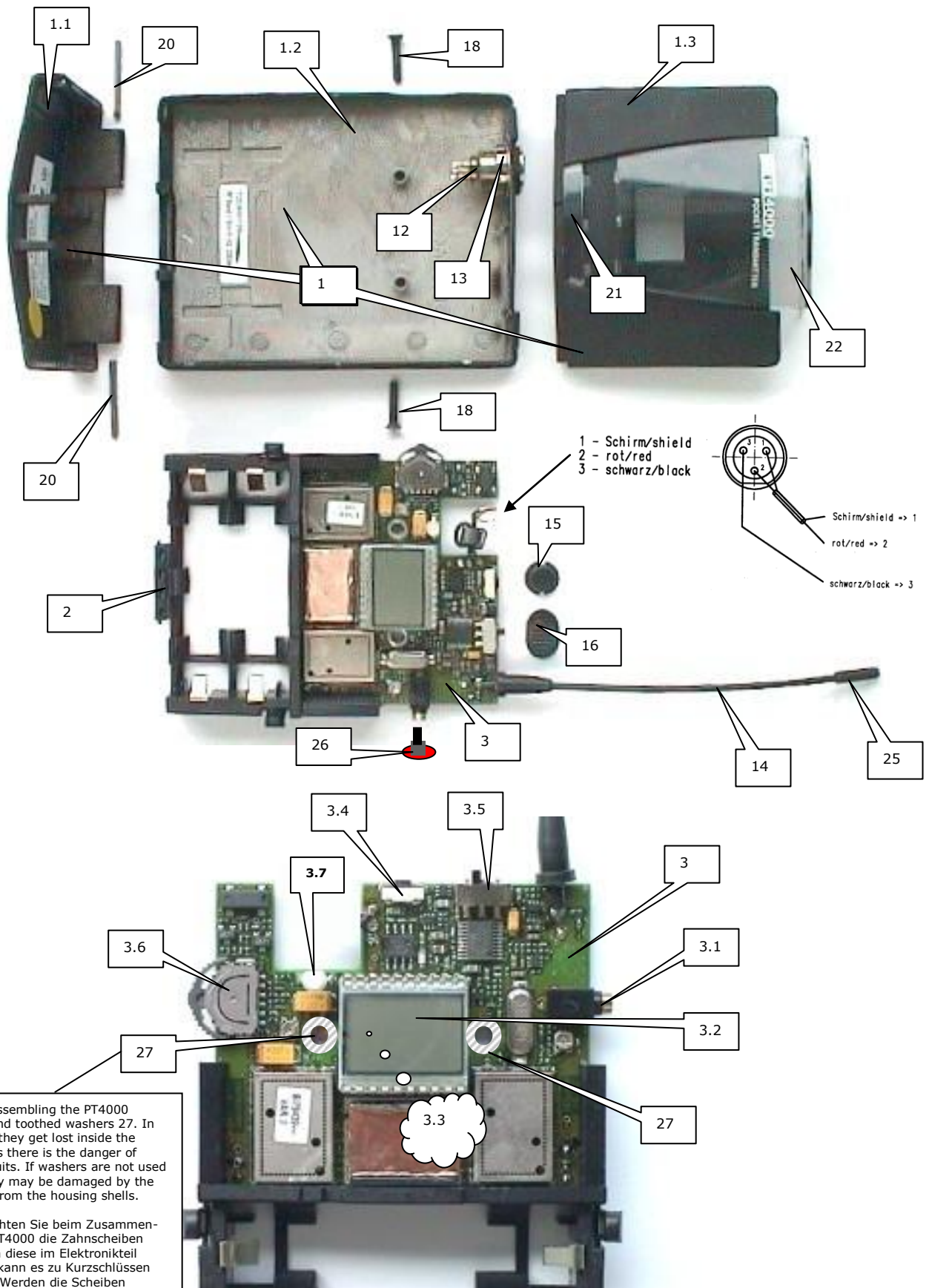
| Frequency band and power / Frequenzband und Leistung |   |       |        |         |           |          |          |           |       |        |          |          |         |        |       |        |         |           |           |          |           |           |           |          |            |          |
|------------------------------------------------------|---|-------|--------|---------|-----------|----------|----------|-----------|-------|--------|----------|----------|---------|--------|-------|--------|---------|-----------|-----------|----------|-----------|-----------|-----------|----------|------------|----------|
| Pos.                                                 | * | I/ 50 | II/ 50 | III/ 50 | IV- A/ 50 | V- A/ 50 | V- B/ 50 | VI- B/ 50 | I/ 20 | II/ 20 | V- A/ 20 | V- C/ 20 | III/ 20 | IV/ 20 | I/ 10 | II/ 10 | III/ 10 | IV- A/ 10 | IV- B/ 10 | V- A/ 10 | V- D1/ 10 | VI- A/ 10 | V- D2/ 10 | V- E/ 50 | III- A/ 10 | V- F/ 10 |
| 3001Z00..                                            |   | 01    | 02     | 03      | 04        | 05       | 06       | 07        | 08    | 09     | 10       | 11       | 12      | 13     | 14    | 15     | 16      | 17        | 18        | 19       | 20        | 21        | 22        | 23       | 24         | 25       |
| 13                                                   | 1 | 1     | -      | -       | -         | -        | -        | -         | 1     | -      | -        | -        | -       | -      | 1     | -      | -       | -         | -         | -        | -         | -         | -         | -        | -          | -        |
| 13                                                   | 2 | -     | 1      | -       | -         | -        | -        | -         | -     | 1      | -        | -        | -       | -      | -     | 1      | -       | -         | -         | -        | -         | -         | -         | -        | -          | -        |
| 13                                                   | 3 | -     | -      | 1       | -         | -        | -        | -         | -     | -      | -        | -        | 1       | -      | -     | -      | 1       | -         | -         | -        | -         | -         | -         | -        | 1          | -        |
| 13                                                   | 4 | -     | -      | -       | 1         | -        | -        | -         | -     | -      | -        | -        | -       | 1      | -     | -      | -       | 1         | 1         | -        | -         | -         | -         | -        | -          | -        |
| 13                                                   | 5 | -     | -      | -       | -         | 1        | 1        | -         | -     | -      | 1        | 1        | -       | -      | -     | -      | -       | -         | 1         | 1        | -         | 1         | 1         | -        | -          | 1        |
| 13                                                   | 6 | -     | -      | -       | -         | -        | -        | 1         | -     | -      | -        | -        | -       | -      | -     | -      | -       | -         | -         | -        | -         | 1         | -         | -        | -          | -        |

| Frequency band and power / Frequenzband und Leistung |   |            |                 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|------------------------------------------------------|---|------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| Pos.                                                 | * | I-R/<br>30 | VI-<br>A/<br>50 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 3001Z00..                                            |   | 26         | 27              | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |  |
| 13                                                   | 1 | 1          | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 13                                                   | 2 | -          | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 13                                                   | 3 | -          | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 13                                                   | 4 | -          | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 13                                                   | 5 | -          | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 13                                                   | 6 | -          | 1               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

## HT4500

| Frequency band and power / Frequenzband und Leistung |   |             |             |             |             |             |               |               |             |             |             |                |               |               |             |             |               |             |  |  |  |
|------------------------------------------------------|---|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|----------------|---------------|---------------|-------------|-------------|---------------|-------------|--|--|--|
| Pos.                                                 | * | BD1<br>50mW | BD2<br>50mW | BD3<br>50mW | BD4<br>50mW | BD5<br>50mW | BD5-C<br>20mW | BD5-D<br>10mW | BD3<br>10mW | BD4<br>10mW | BD6<br>10mW | BD5-AB<br>10mW | BD5-B<br>10mW | BD3-K<br>10mW | BD6<br>50mW | BD7<br>50mW | BD4-G<br>50mW | BD8<br>50mW |  |  |  |
| 3201H00..0                                           |   | 010         | 020         | 030         | 040         | 050         | 110           | 120           | 160         | 170         | 210         | 220            | 230           | 240           | 270         | 280         | 290           | 300         |  |  |  |
| 13                                                   | 1 | 1           | -           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | -           | -             | -           |  |  |  |
| 13                                                   | 2 | -           | 1           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | -           | -             | -           |  |  |  |
| 13                                                   | 3 | -           | -           | 1           | -           | -           | -             | -             | 1           | -           | -           | -              | -             | 1             | -           | -           | -             | -           |  |  |  |
| 13                                                   | 4 | -           | -           | -           | 1           | -           | -             | -             | -           | 1           | -           | -              | -             | -             | -           | -           | 1             | -           |  |  |  |
| 13                                                   | 5 | -           | -           | -           | -           | 1           | 1             | 1             | -           | -           | -           | 1              | 1             | -             | -           | -           | -             | -           |  |  |  |
| 13                                                   | 6 | -           | -           | -           | -           | -           | -             | -             | -           | -           | 1           | -              | -             | -             | 1           | -           | -             | -           |  |  |  |
| 13                                                   | 7 | -           | -           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | 1           | -             | -           |  |  |  |
| 13                                                   | 8 | -           | -           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | -           | -             | 1           |  |  |  |

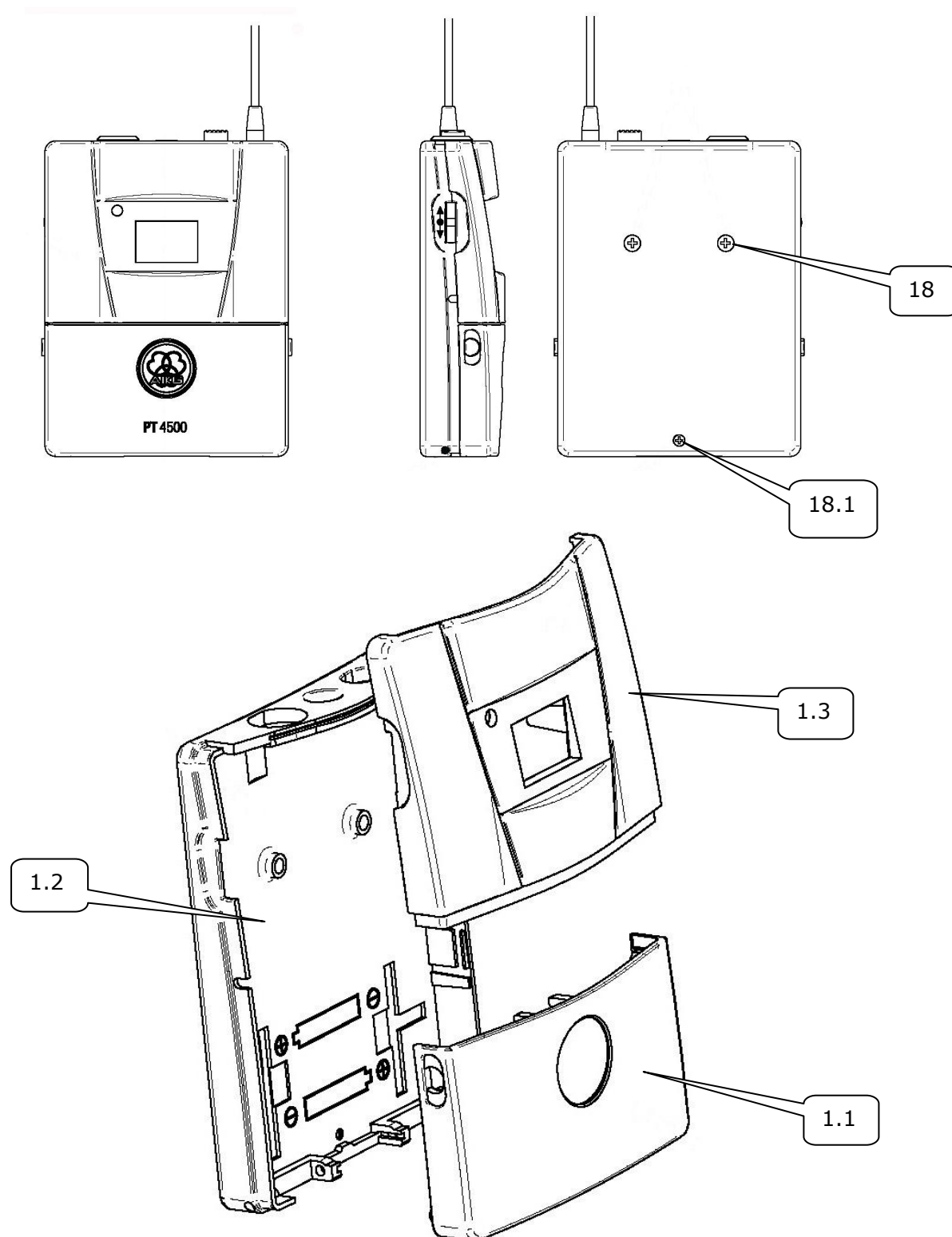
## PT4000 3002Z00..



When reassembling the PT4000 please mind toothed washers 27. In case that they get lost inside the electronics there is the danger of short circuits. If washers are not used the display may be damaged by the pressure from the housing shells.

Bitte beachten Sie beim Zusammenbau des PT4000 die Zahnscheiben 27. Gehen diese im Elektronikteil verloren, kann es zu Kurzschlüssen kommen. Werden die Scheiben weggelassen, kann das Display durch Druck der Gehäuseschalen Schaden nehmen.

## PT4500 3202Z00...



## PT4000/4500 Parts list

## PT4000/4500 Stückliste

| Description                      | Pos.  | Part number<br>Bestellnummer | Quantity<br>Stück |        | Bezeichnung                      |
|----------------------------------|-------|------------------------------|-------------------|--------|----------------------------------|
|                                  |       |                              | PT4000            | PT4500 |                                  |
| Housing, complete                | 1     | 3002M96030                   | 1                 | -      | Gehäuse, komplett                |
| Housing, complete                | 1     | 3202M06010                   | -                 | 1      | Gehäuse, komplett                |
| Battery door                     | 1.1   | 3002Z09010                   | 1                 | -      | Batteriedeckel                   |
| Battery door compl.              | 1.1   | 3202M06910                   | -                 | 1      | Batteriedeckel kpl.              |
| Housing, bottom                  | 1.2   | 3002Z06010                   | 1                 | -      | Gehäuse – Unterteil              |
| Housing, bottom                  | 1.2   | 3202Z06010                   | -                 | 1      | Gehäuse – Unterteil              |
| Housing, upper shell             | 1.3   | 3002Z07010                   | 1                 | -      | Gehäuse – Oberteil               |
| Housing, upper shell compl.      | 1.3   | 3202M06920                   | -                 | 1      | Gehäuse – Oberteilkpl.           |
| Housing frame assembly           | 2     | 3002M05010                   | 1                 | -      | Gehäuserahmen, komplett          |
| Housing frame assembly           | 2     | 3002M05020                   | -                 | 1      | Gehäuserahmen, komplett          |
| Transmitter board complete       | 3     | 3002M010*                    | 1                 | -      | Sendep rint, komplett            |
| Transmitter-board complete       | 3     | 3202M020*0                   | 1                 | 1      | Sendep rint, komplett            |
| Jack socket 2,5mm 'Remote'       | 3.1   | 0017E03560                   | 1                 | 1      | Klinkenbuchse 2,5mm 'Remote'     |
| LCD Display                      | 3.2   | 0013E02000                   | 1                 | 1      | LCD Display                      |
| Display backlight                | 3.3   | 0013E01970                   | 1                 | 1      | Displaybeleuchtung               |
| Push button switch SW102 'Power' | 3.4   | 9040E00050                   | 1                 | 1      | Druckschalter SW102 'Power'      |
| Slide switch SW101 'Mute'        | 3.5   | 9040E00060                   | 1                 | 1      | Schiebeschalter SW101 'Mute'     |
| Jog dial switch SW160            | 3.6   | 9040E00070                   | 1                 | 1      | Jog dial Schalter SW160          |
| Bicolor LED                      | 3.7   | 9014E00710                   | 1                 | 1      | LED zweifarbig                   |
| MiniXLR-socket male+cable        | 12    | 2540K00010                   | 1                 | 1      | MiniXLR-Buchse, männl.+Kabel     |
| Nut for Pos. 12                  | 13    | 2781Z20020                   | 1                 | 1      | Mutter für Pos. 12               |
| Antenna assembly *2              | 14    | 3002M21910                   | 1                 | 1      | Antenne, kompl. *2               |
| Push button 'Power'              | 15    | 3002Z13010                   | 1                 | 1      | Druckknopf 'Power'               |
| Slide button 'Mute'              | 16    | 3002Z14010                   | 1                 | 1      | Schiebknopf 'Mute'               |
| Screw M2,5x12                    | 18    | 0965D25090                   | 2                 | 2      | Schraube, M2,5x12                |
| Securing screw M2,5x12           | 18**) | 9999N0700**)                 | 2                 | -      | Sicherheitsschraube 18x8 schwarz |
| Screw Ejot KB18x6                | 18.1  | 0099N18050                   | -                 | 1      | Schraube Ejot KB18x6             |
| Cylinder pin                     | 20    | 0007D20050                   | 2                 | 2      | Zylinderstift                    |
| Color code cover                 | 21    | 3002Z16010                   | 1                 | -      | Farbcode – Abdeckung             |
| Display cover                    | 22    | 3002Z08010                   | 1                 | -      | Display – Abdeckung              |
| Antenna cap                      | 25    | 2890Z18010                   | 1                 | 1      | Antennenkappe                    |
| Mute pin                         | 26    | 3002Z29010                   | 1                 | 1      | Mute-Stift                       |
| Toothed washer                   | 27    | 9999N07430                   | 2                 | -      | Zahnscheibe                      |
| Belt clip                        | --    | 3002Z10010                   | 1                 | 1      | Gürtelklammer                    |
| Color code set                   | --    | 3002Z17010                   | 1                 | -      | Farbcodeset                      |

\*\* ) for versions IV-B/10, V-D1/10 and V-D2/10 / für Varianten IV-B/10, V-D1/10 und V-D2/10

\*2) Please see table for Antenna length on next page / Tabelle für Antennenlänge auf der nächsten Seite

### \* ) Important!

As a result of a new board and firmware design of the transmitter board 3202M020...

The board 3002M010.. will be no longer available.

For ordering the PT4000/PT4500 main transmitter boards we need the information as follows.

1. Board number: 3202M02010 – 3202M02080
2. Type: PT4000 or PT4500
3. Preset programming: V-A 50mW (for PT4000) or 5-C 10mW (for PT4500) etc.

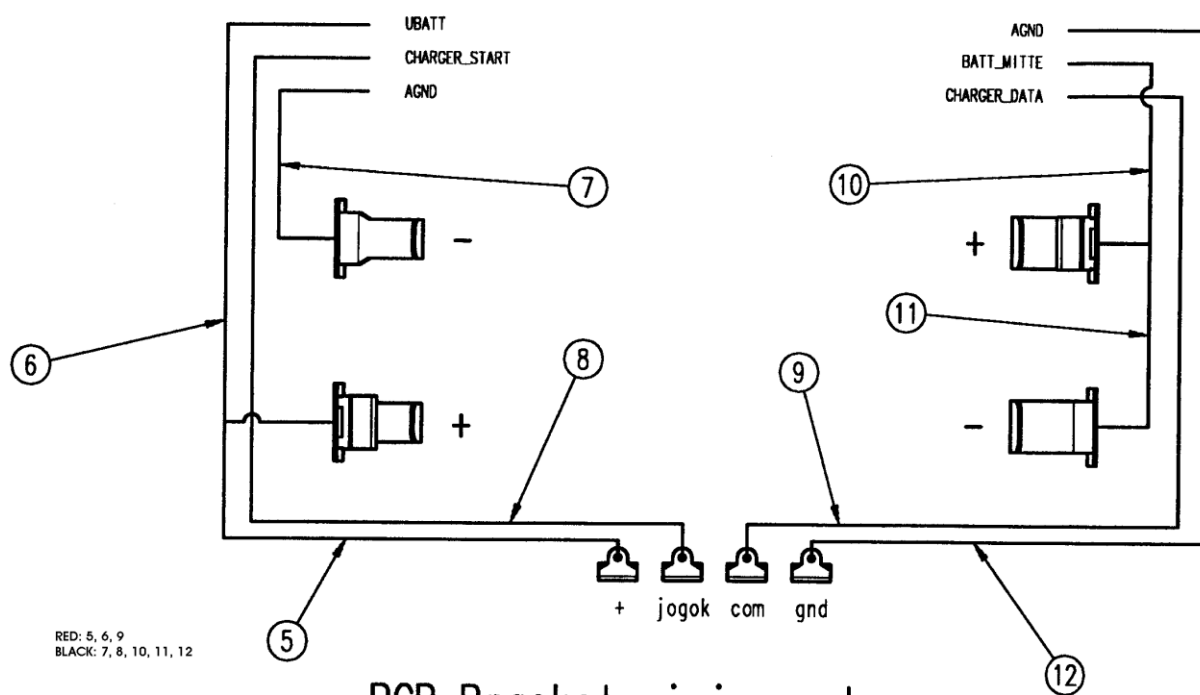
## PT4000

|           |   | Frequency band and power / Frequenzband und Leistung |        |         |           |          |          |           |       |        |          |          |         |        |       |        |         |           |           |          |           |           |           |          |            |          |
|-----------|---|------------------------------------------------------|--------|---------|-----------|----------|----------|-----------|-------|--------|----------|----------|---------|--------|-------|--------|---------|-----------|-----------|----------|-----------|-----------|-----------|----------|------------|----------|
| Pos.      | * | I/ 50                                                | II/ 50 | III/ 50 | IV- A/ 50 | V- A/ 50 | V- B/ 50 | VI- B/ 50 | I/ 20 | II/ 20 | V- A/ 20 | V- C/ 20 | III/ 20 | IV/ 20 | I/ 10 | II/ 10 | III/ 10 | IV- A/ 10 | IV- B/ 10 | V- A/ 10 | V- D1/ 10 | VI- A/ 10 | V- D2/ 10 | V- E/ 50 | III- A/ 10 | V- F/ 10 |
| 3002Z00.. |   | 01                                                   | 02     | 03      | 04        | 05       | 06       | 07        | 08    | 09     | 10       | 11       | 12      | 13     | 14    | 15     | 16      | 17        | 18        | 19       | 20        | 21        | 22        | 23       | 24         | 25       |
| 3         | 1 | 1                                                    | -      | -       | -         | -        | -        | -         | 1     | -      | -        | -        | -       | -      | 1     | -      | -       | -         | -         | -        | -         | -         | -         | -        | -          | -        |
| 3         | 2 | -                                                    | 1      | -       | -         | -        | -        | -         | 1     | -      | -        | -        | -       | -      | 1     | -      | -       | -         | -         | -        | -         | -         | -         | -        | -          | -        |
| 3         | 3 | -                                                    | -      | 1       | -         | -        | -        | -         | -     | -      | -        | -        | 1       | -      | -     | -      | 1       | -         | -         | -        | -         | -         | -         | -        | 1          | -        |
| 3         | 4 | -                                                    | -      | -       | 1         | -        | -        | -         | -     | -      | -        | -        | -       | 1      | -     | -      | -       | 1         | 1         | -        | -         | -         | -         | -        | -          | -        |
| 3         | 5 | -                                                    | -      | -       | -         | 1        | 1        | -         | -     | -      | 1        | 1        | -       | -      | -     | -      | -       | -         | 1         | 1        | -         | 1         | 1         | -        | 1          | -        |
| 3         | 6 | -                                                    | -      | -       | -         | -        | -        | 1         | -     | -      | -        | -        | -       | -      | -     | -      | -       | -         | -         | -        | -         | 1         | -         | -        | -          | -        |

|           |   | Frequency band and power / Frequenzband und Leistung |                 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
|-----------|---|------------------------------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| Pos.      | * | I-R/<br>30                                           | VI-<br>A/<br>50 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 3002Z00.. |   | 26                                                   | 27              | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |  |  |  |
| 3         | 1 | 1                                                    | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 3         | 2 | -                                                    | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 3         | 3 | -                                                    | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 3         | 4 | -                                                    | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 3         | 5 | -                                                    | -               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 3         | 6 | -                                                    | 1               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |

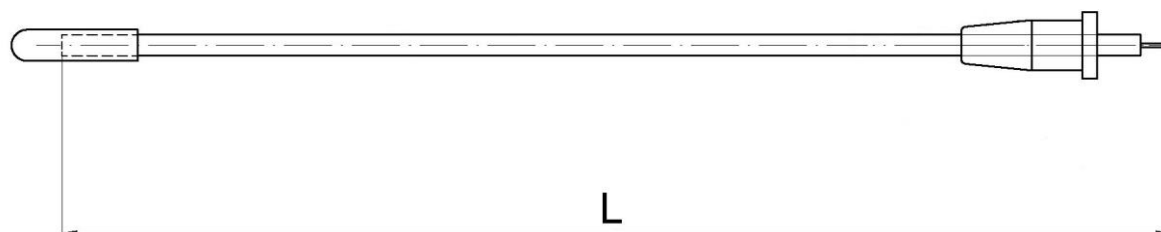
## PT4500

| Frequency band and power / Frequenzband und Leistung |   |             |             |             |             |             |               |               |             |             |             |                |               |               |             |             |               |             |  |  |  |
|------------------------------------------------------|---|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|----------------|---------------|---------------|-------------|-------------|---------------|-------------|--|--|--|
| Pos.                                                 | * | BD1<br>50mW | BD2<br>50mW | BD3<br>50mW | BD4<br>50mW | BD5<br>50mW | BD5-C<br>20mW | BD5-D<br>10mW | BD3<br>10mW | BD4<br>10mW | BD6<br>10mW | BD5-AB<br>10mW | BD5-B<br>10mW | BD3-K<br>10mW | BD6<br>50mW | BD7<br>50mW | BD4-G<br>50mW | BD8<br>50mW |  |  |  |
| 3202H00...                                           |   | 010         | 020         | 030         | 040         | 050         | 110           | 120           | 160         | 170         | 210         | 220            | 230           | 240           | 270         | 280         | 290           | 300         |  |  |  |
| 3                                                    | 1 | 1           | -           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | -           | -             | -           |  |  |  |
| 3                                                    | 2 | -           | 1           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | -           | -             | -           |  |  |  |
| 3                                                    | 3 | -           | -           | 1           | -           | -           | -             | -             | 1           | -           | -           | -              | -             | 1             | -           | -           | -             | -           |  |  |  |
| 3                                                    | 4 | -           | -           | -           | 1           | -           | -             | -             | -           | 1           | -           | -              | -             | -             | -           | -           | 1             | -           |  |  |  |
| 3                                                    | 5 | -           | -           | -           | -           | 1           | 1             | 1             | -           | -           | -           | 1              | 1             | -             | -           | -           | -             | -           |  |  |  |
| 3                                                    | 6 | -           | -           | -           | -           | -           | -             | -             | -           | -           | 1           | -              | -             | -             | 1           | -           | -             | -           |  |  |  |
| 3                                                    | 7 | -           | -           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | 1           | -             | -           |  |  |  |
| 3                                                    | 8 | -           | -           | -           | -           | -           | -             | -             | -           | -           | -           | -              | -             | -             | -           | -           | -             | 1           |  |  |  |

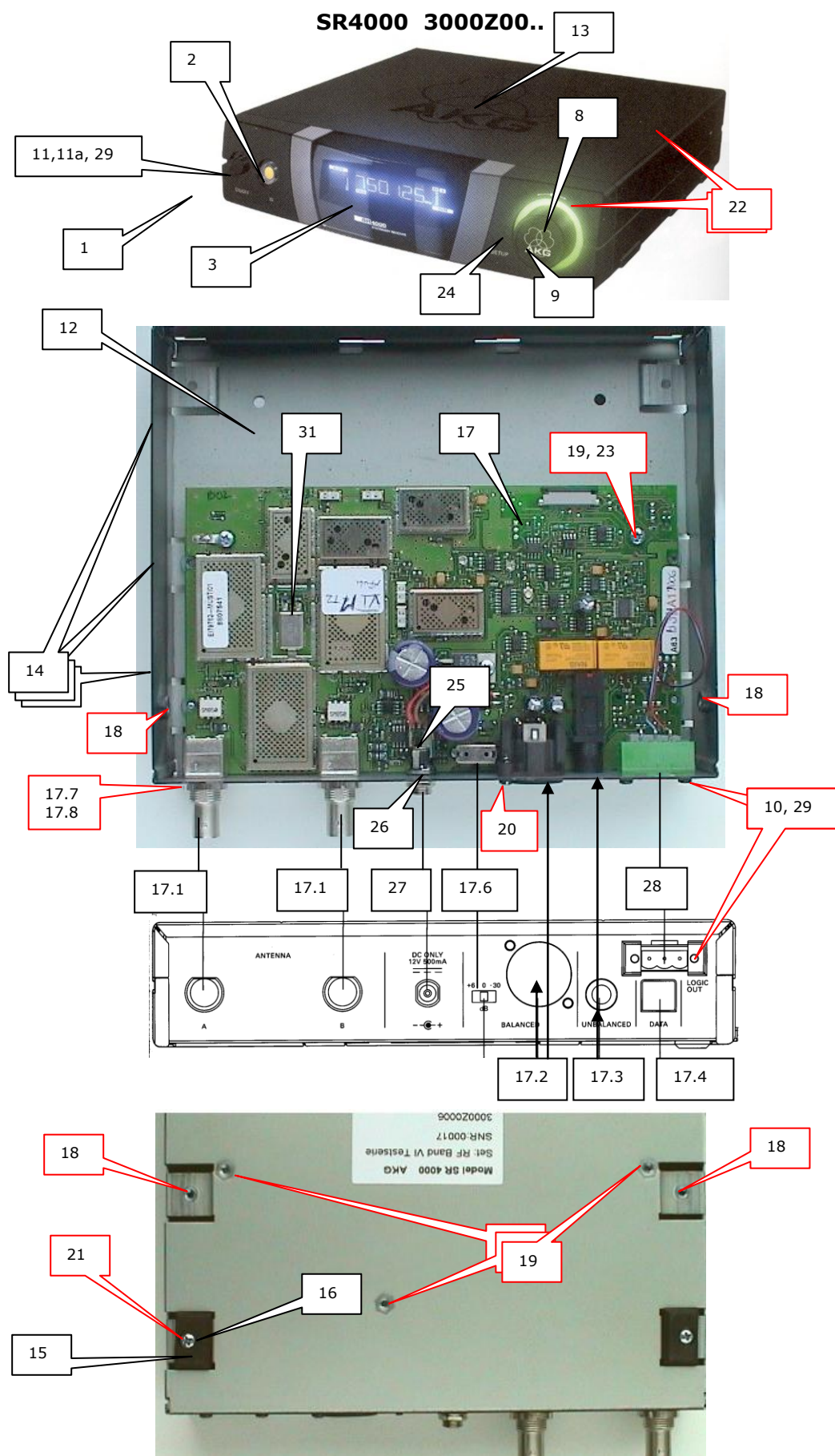


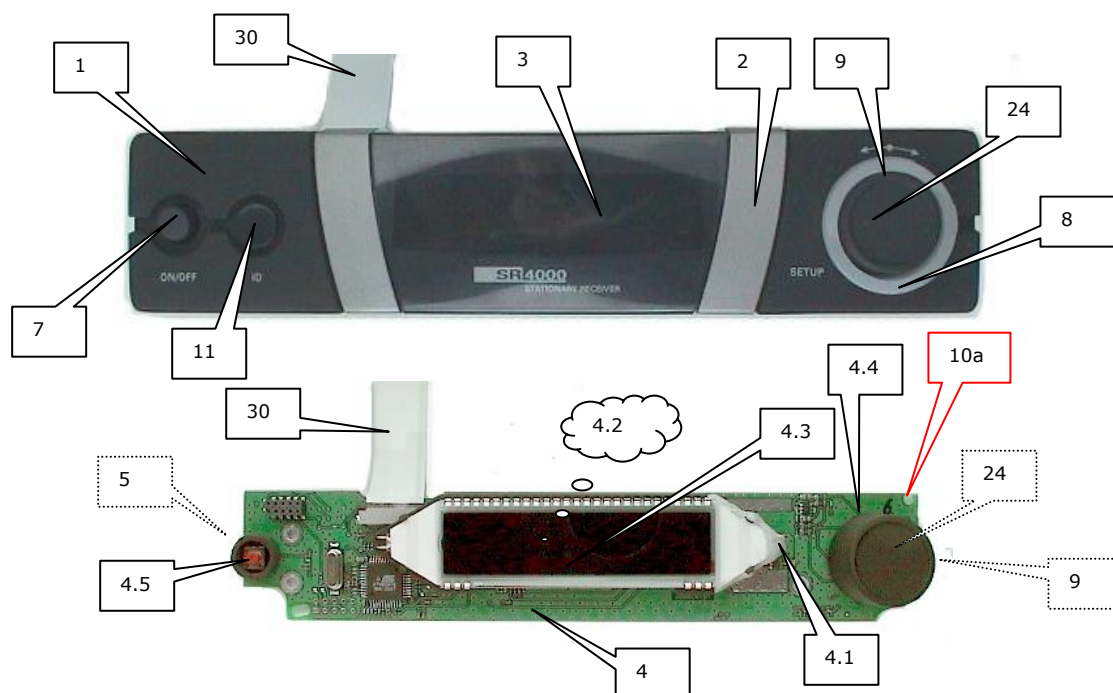
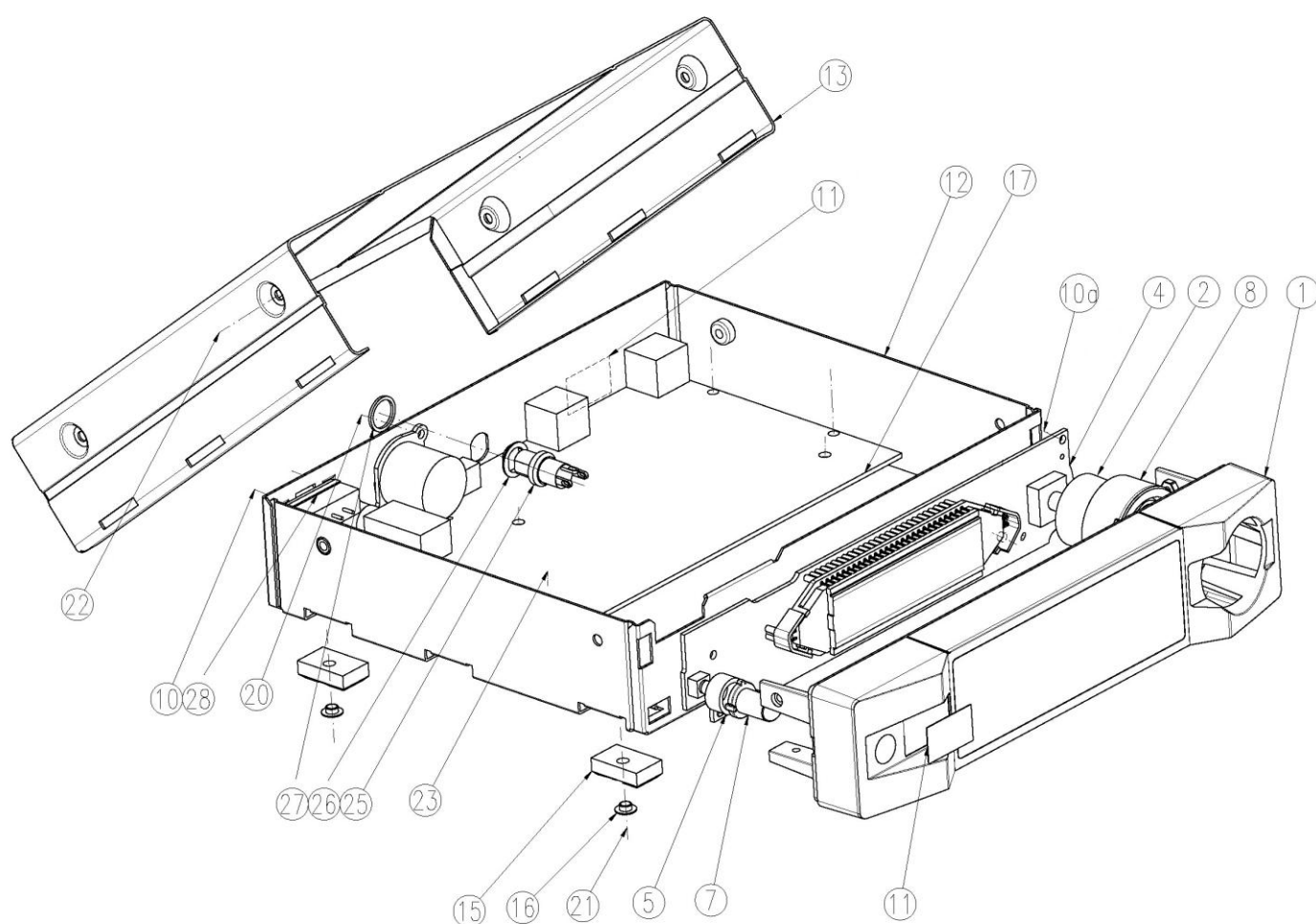
PCB\_Bracket wiring scheme  
(back view)

### Antenna PT4000 3002M21910



| Band     | " L " length in mm |
|----------|--------------------|
| I + VIII | 110                |
| II       | 100                |
| III & IV | 92                 |
| V & VI   | 86                 |
| VII      | 135                |



**SR4500 3200Z00...**

## SR4000/4500 Parts list

## SR4000/4500 Stückliste

| Description                   | Pos.           | Part number<br>Bestellnummer | Quantity<br>Stück |        | Bezeichnung                       |
|-------------------------------|----------------|------------------------------|-------------------|--------|-----------------------------------|
|                               |                |                              | SR4000            | SR4500 |                                   |
| Front panel                   | 1              | 3000Z22110                   | 1                 | -      | Frontplatte neue version          |
| Front panel complete          | 1              | 3200M10210                   | -                 | 1      | Frontplatte kpl.                  |
| Display cover                 | 2              | 3000Z23010                   | 1                 | -      | Displayabdeckung                  |
| Jog-button complete           | 2              | 3200M15010                   | -                 | 1      | Jog-Knopf                         |
| Display glass                 | 3              | 3000Z24010                   | 1                 | -      | Displayglas                       |
| Display board, complete       | 4              | <del>3000M01010</del>        | <del>1</del>      | -      | <del>Displayprint, komplett</del> |
| Display board, complete       | 4              | 3200M01010                   | -                 | 1      | Displayprint, komplett            |
| Display holder                | 4.1            | 3000Z30010                   | 1                 | 1      | Displayhalter                     |
| Display backlight             | 4.2            | 0013E01950                   | 1                 | 1      | Displaybeleuchtung                |
| <del>LCD Display</del>        | <del>4.3</del> | <del>0013E01980</del>        | <del>1</del>      | -      | <del>LCD Display</del>            |
| LCD Display                   | 4.3            | 0050E00100                   | 1                 | 1      | LCD Display                       |
| Jog dial switch SW170         | 4.4            | 0040E02000                   | 1                 | 1      | Dreh-Drück-Schalter SW170         |
| Push button switch POWER_T    | 4.5            | 0040E01970                   | 1                 | 1      | Druckschalter POWER_T             |
| LED red                       | --             | 9014E00770                   | 4                 | 4      | LED rot                           |
| LED green                     | --             | 9014E00760                   | 4                 | 4      | LED green                         |
| Washer 1 for on/off-switch    | 5              | 3000Z31010                   | 1                 | 1      | Scheibe 1 für on/off Schalter     |
| Washer 2 for on/off-switch    | 6              | 3000Z32010                   | 1                 | -      | Scheibe 2 für on/off Schalter     |
| Button for on/off-switch      | 7              | 3000Z33110                   | 1                 | -      | Knopf für on/off-Schalter         |
| Button for on/off-switch      | 7              | 3200Z13010                   | -                 | 1      | Knopf für on/off-Schalter         |
| Indicator ring                | 8              | 3000Z34010                   | 1                 | -      | Indikator-Ring                    |
| Indicator ring                | 8              | 3200Z11010                   | -                 | 1      | Indikator-Ring                    |
| Jog-button (also see pos.24)  | 9              | 3000M20110                   | 1                 | -      | Jog-Knopf (siehe auch Pos.24)     |
| Screw M2,5x5                  | 10             | 7985D25020                   | 2                 | 2      | Schraube M2,5x5                   |
| Locking screw                 | 10a            | 7500D25000                   | 4                 | 4      | Sicherungsschraube                |
| Color indicator, black        | 11             | 3000Z36110                   | 1                 | -      | Farb-Indikator, schwarz           |
| Color indicator, transparent  | 11a            | 3000Z36020                   | 1                 | -      | Farb-Indikator, transparent       |
| Frequency label               | 11             | 4803S00 <sub>010-180</sub>   | -                 | 2      | Frequenzaufkleber                 |
| Holder (mounted on 11a)       | --             | 3000Z40010                   | 1                 | -      | Halter (montiert auf 11a)         |
| Housing                       | 12             | 3000M11010                   | 1                 | 1      | Gehäuse                           |
| Housing cover                 | 13             | 3000Z15010                   | 1                 | 1      | Haube                             |
| Filler piece                  | 14             | 3000Z18010                   | 6                 | -      | Einsatz                           |
| Foot                          | 15             | 3000Z20010                   | 4                 | 4      | Fuß                               |
| Bushing                       | 16             | 3000Z21010                   | 4                 | 4      | Hülse                             |
| Main board , complete         | 17             | 3200M020*0                   | 1                 | 1      | Hauptprint, komplett              |
| BNC Ant.-socket ST200,300     | 17.1           | 0017E02390                   | 2                 | 2      | BNC Ant.-Buchse ST200,300         |
| XLR connector ST800           | 17.2           | 0016E03690                   | 1                 | 1      | XLR-Buchse ST800                  |
| Stereo jack socket ST801      | 17.3           | 0017E03570                   | 1                 | 1      | Stereoklinkenbuchse ST801         |
| Data connector ST_PROG        | 17.4           | 0017E04100                   | 1                 | 1      | Data-Buchse ST_PROG               |
| Slide switch (level) S800     | 17.6           | 0040E01990                   | 1                 | 1      | Schiebeschalter (Pegel) S800      |
| Ring nut                      | 17.7           | 2841Z10010                   | 2                 | 2      | Ringmutter                        |
| Securing washer               | 17.8           | 9999N06050                   | 2                 | 2      | Sicherungsscheibe                 |
| Screw PTKB30x8                | 20             | 0099N30080                   | 2                 | 2      | Schraube PTKB30x8                 |
| Screw M3x8 for feet           | 21             | 7985D30110                   | 7                 | 7      | Schraube M3x8 für Füße            |
| Screw M3x12 for housing cover | 22             | 7985D30120                   | 4                 | 4      | Schraube M3x12 für Haube          |
| Screw M3x16 for housing cover | 22             | 7985D30130                   | 4                 | 4      | Schraube M3x16 für Haube          |
| Label 'AKG' for Pos. 9        | 24             | 3000Z37010                   | 1                 | -      | Schild 'AKG' für Pos. 9           |
| Label 'AKG' for Pos. 9        | 24             | 4786S00010                   | -                 | 1      | Schild 'AKG' für Pos. 9           |
| Insulation                    | 27             | 3000Z38010                   | 1                 | 1      | Isolierung                        |
| Insulating disc               | 26             | 3000Z39010                   | 1                 | 1      | Isolierscheibe                    |
| DC-Jack socket                | 25             | 0110E02710                   | 1                 | 1      | DC-Buchse                         |
| Logic_out socket              | 28             | 0016E03810                   | 1                 | 1      | Logic_out-Buchse                  |
| Plug for pos.28               | --             | 0017E03590                   | 1                 | 1      | Stecker für Pos.28                |
| Ribbon cable                  | 30             | 0100E03270                   | 1                 | 1      | Flachbandkabel                    |
| Crystal 99,3                  | 31             | 9011E04200                   | 1                 | 1      | Quarz 99,3                        |
| Crystal 120,7                 | 31             | 9011E02300                   | -                 | 1      | Quarz 120,7                       |

|                                |    |                   |   |   |                                  |
|--------------------------------|----|-------------------|---|---|----------------------------------|
| Antenna BD 1-5                 | -- | 0018E02240        | 2 | 2 | Antenne BD 1-5                   |
| Antenna BD 7-8                 | -- | 9999N07440        | - | 2 | Antenne BD 7-8                   |
| DC-Connector for power adapter | -- | Switchcraft S760K | - | - | DC-Stecker für Netzteil          |
| Color code set                 | -- | 9110U32900        | 1 | - | Farbcodeset                      |
| Rack mount unit RMU1           | -- | 3000Z28010        | 1 | 1 | Rack-Einbausatz RMU1             |
| Rack mount unit RMU2           | -- | 3000Z26010        | 1 | 1 | Rack-Einbausatz RMU2             |
| Rack mount unit RMU4           | -- | 3000Z29010        | 1 | 1 | Rack-Einbausatz RMU4             |
| Cover for RMU antenna holes    | -- | 9999N05810        | 2 | 2 | Abdeckung für RMU Ant. Öffnungen |

### \*) Important!

As a result of a new board and firmware design of the receiver board 3200M020...

The board 3000M020.. will be no longer available.

For ordering the SR4000/SR4500 main receiver boards we need the information as follows.

1. Board number: 3200M02010 – 3200M02080
2. Type: SR4000 or SR4500
3. Preset programming: V-A (for SR4000) or 5-C (for SR4500) etc.

### SR4000

| Frequency band / Frequenzband |   |    |    |     |      |     |     |     |     |      |      |      |              |                   |                  |                |  |  |
|-------------------------------|---|----|----|-----|------|-----|-----|-----|-----|------|------|------|--------------|-------------------|------------------|----------------|--|--|
| Pos                           | * | I  | II | III | IV-A | V-A | V-B | V-C | V-D | VI-A | VI-B | IV-B | V-E<br>Korea | III-A<br>Thailand | V-F<br>Hong-Kong | I-R<br>Romania |  |  |
| 3000Z00..                     |   | 01 | 02 | 03  | 04   | 05  | 06  | 08  | 09  | 10   | 11   | 12   | 13           | 14                | 15               | 16             |  |  |
| 17                            | 1 | 1  | -  | -   | -    | -   | -   | -   | -   | -    | -    | -    | -            | -                 | -                | 1              |  |  |
| 17                            | 2 | -  | 1  | -   | -    | -   | -   | -   | -   | -    | -    | -    | -            | -                 | -                | -              |  |  |
| 17                            | 3 | -  | -  | 1   | -    | -   | -   | -   | -   | -    | -    | -    | -            | 1                 | -                | -              |  |  |
| 17                            | 4 | -  | -  | -   | 1    | -   | -   | -   | -   | -    | -    | 1    | -            | -                 | -                | -              |  |  |
| 17                            | 5 | -  | -  | -   | -    | 1   | 1   | 1   | 1   | -    | -    | -    | 1            | -                 | 1                | -              |  |  |
| 17                            | 6 | -  | -  | -   | -    | -   | -   | -   | -   | 1    | 1    | -    | -            | -                 | -                | -              |  |  |

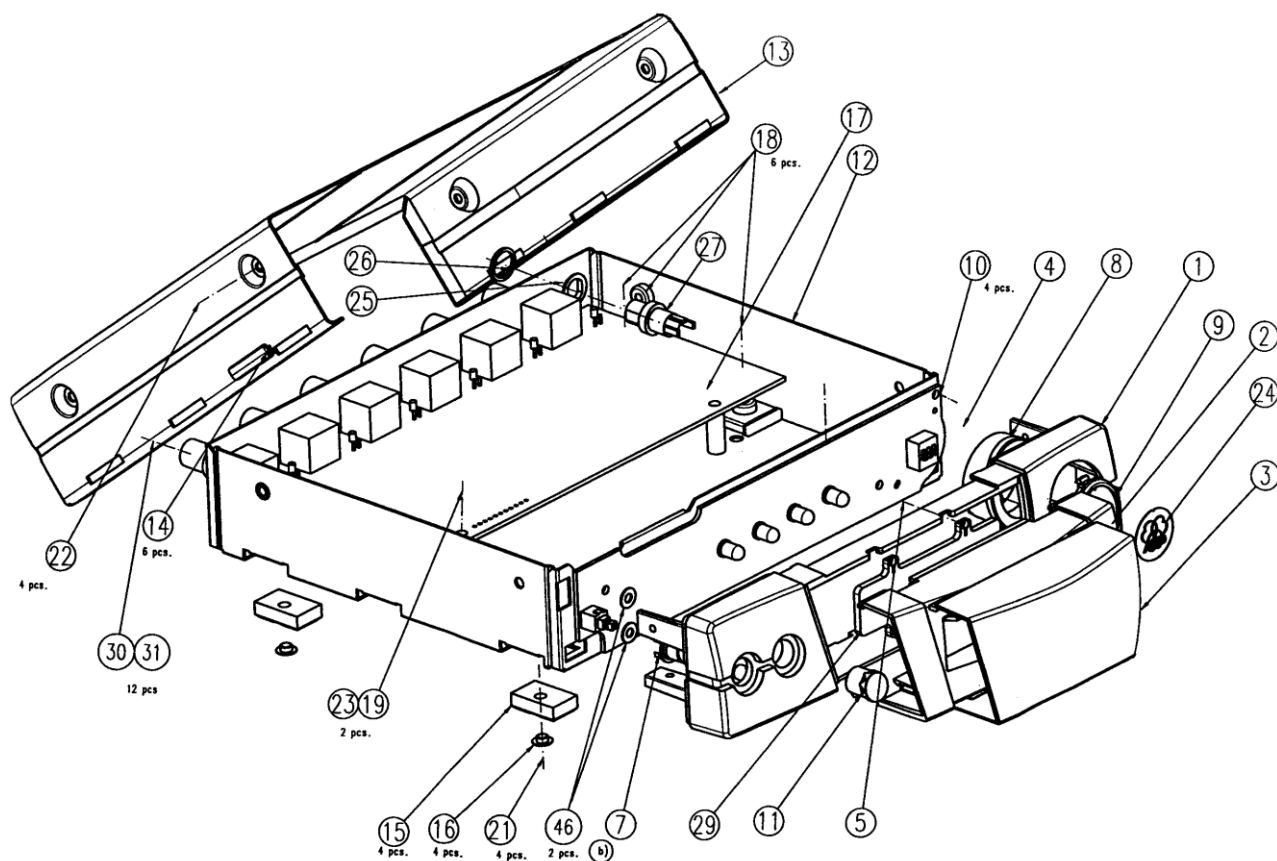
### SR4500

| Frequency band/ Frequenzband |   |     |     |     |     |     |       |       |     |       |     |     |        |       |  |  |
|------------------------------|---|-----|-----|-----|-----|-----|-------|-------|-----|-------|-----|-----|--------|-------|--|--|
| Pos.                         | * | BD1 | BD2 | BD3 | BD4 | BD5 | BD5-C | BD5-D | BD6 | BD3-K | BD7 | BD8 | BD5-AB | BD5-B |  |  |
| 3200H00...                   |   | 010 | 020 | 030 | 040 | 050 | 080   | 090   | 100 | 140   | 170 | 180 | 220    | 230   |  |  |
| 17                           | 1 | 1   | -   | -   | -   | -   | -     | -     | -   | -     | -   | -   | -      | -     |  |  |
| 17                           | 2 | -   | 1   | -   | -   | -   | -     | -     | -   | -     | -   | -   | -      | -     |  |  |
| 17                           | 3 | -   | -   | 1   | -   | -   | -     | -     | -   | 1     | -   | -   | -      | -     |  |  |
| 17                           | 4 | -   | -   | -   | 1   | -   | -     | -     | -   | -     | -   | -   | -      | -     |  |  |
| 17                           | 5 | -   | -   | -   | -   | 1   | 1     | 1     | -   | -     | -   | -   | 1      | 1     |  |  |
| 17                           | 6 | -   | -   | -   | -   | -   | -     | -     | 1   | -     | -   | -   | -      | -     |  |  |
| 17                           | 7 | -   | -   | -   | -   | -   | -     | -     | -   | -     | 1   | -   | -      | -     |  |  |
| 17                           | 8 | -   | -   | -   | -   | -   | -     | -     | -   | -     | -   | 1   | -      | -     |  |  |

### Power supplies WMS4000/4500

|                 | WMS products<br>Power rating | WMS4000/4500<br>12V,500mA | CU4000<br>12V, 1,5A |
|-----------------|------------------------------|---------------------------|---------------------|
| SMPS<br>level 5 | Power supply EU,US,UK        | -                         | 7801H00100          |
|                 | Power supply EU,US,UK,AU     | 7801H00130                | -                   |

## PS4000 2996Z00..



## PS4000/W Parts list

## PS4000/W Stückliste

| <i>Description</i>            | <i>Pos.</i>   | <i>Part number<br/>Bestellnummer</i> | <i>Quantity<br/>Stück</i> | <i>Bezeichnung</i>               |
|-------------------------------|---------------|--------------------------------------|---------------------------|----------------------------------|
| Front panel                   | 1             | 3000Z22120                           | 1                         | Frontplatte                      |
| Display cover                 | 2             | 3000Z23020                           | 1                         | Displayabdeckung                 |
| Display glass                 | 3             | 3000Z24010                           | 1                         | Displayglas                      |
| Front board, complete         | 4             | 3000M06010                           | 1                         | Frontprint, komplett             |
| Front board, complete new     | 4             | 2996M01010                           | 1                         | Frontprint, komplett neu         |
| On/off switch S100            | --            | 0040E02070                           | 1                         | On/off Schalter S100             |
| DIP switch JP100              | --            | 0040E02040                           | 1                         | DIP-Schalter JP100               |
| LED red                       | --            | 0014E01620                           | 2                         | LED rot                          |
| LED blue                      | --            | 0014E01630                           | 2                         | LED blau                         |
| Screw PTKC14x4 for 2, 2?      | 5             | 0099N14020                           | 4                         | Schraube PTKC14x4 für 2, 2?      |
| Button for on/off-switch *    | 7             | 3000Z41010                           | 1                         | Knopf für on/off-Schalter *      |
| Cover-ring                    | 8             | 3000Z45010                           | 1                         | Abdeckring                       |
| Button                        | 9             | 3000Z46010                           | 1                         | Knopf                            |
| Screw M2,5x5 for 4 and 28?    | <del>10</del> | <del>7985D25020</del>                | 4                         | Schraube M2,5x5 für 4 und 28     |
| Locking screw                 | 10            | 7500D25000                           | 4                         | Sicherungsschraube               |
| Color indicator, black        | 11            | 3000Z36010                           | 1                         | Farb-Indikator, schwarz          |
| Housing                       | <del>12</del> | <del>3000Z14010</del>                | <del>1</del>              | Gehäuse                          |
| Housing                       | 12            | 3000Z19010                           | 1                         | Gehäuse                          |
| Housing cover                 | <del>13</del> | <del>3000Z16020</del>                | <del>1</del>              | Haube                            |
| Housing cover                 | 13            | 3000Z15010                           | 1                         | Haube                            |
| Filler piece                  | 14            | 3000Z18010                           | 4                         | Einsatz                          |
| Foot                          | 15            | 3000Z20010                           | 4                         | Fuß                              |
| Bushing                       | 16            | 3000Z21010                           | 4                         | Hülse                            |
| Main board , complete         | 17            | 3000M05010                           | 1                         | Hauptprint, komplett             |
| BNC Ant.-socket               | 17.1          | 0017E02390                           | 12                        | BNC Antennenbuchse               |
| Screw M3x8 for 15 and 17      | 21            | 7985D30110                           | 6                         | Schraube M3x8 für 15 und 17      |
| Screw M3x12 for housing cover | 22            | 7985D30120                           | 4                         | Schraube M3x12 für Haube         |
| Label 'AKG' for Pos. 9        | 24            | 3000Z37010                           | 1                         | Schild 'AKG' für Pos. 9          |
| Insulation                    | 25            | 3000Z38010                           | 1                         | Isolierung                       |
| Insulating disc               | 26            | 3000Z39010                           | 1                         | Isolierscheibe                   |
| DC-Jack socket complete       | 27            | 0110E02710                           | 1                         | DC-Buchse komplett               |
| Cover                         | 29            | 3000Z16020                           | 1                         | Abdeckung                        |
| Ring nut                      | 30            | 2841Z10010                           | 12                        | Ringmutter                       |
| Securing washer               | 31            | 9999N06050                           | 12                        | Sicherungsscheibe                |
| Washer                        | 46            | 0125D03260                           | 2                         | Scheibe                          |
| Rack mount unit RMU1          | --            | 3000Z25010                           | 1                         | Rack-Einbausatz RMU1             |
| Rack mount unit RMU2          | --            | 3000Z26010                           | 1                         | Rack-Einbausatz RMU2             |
| Rack mount unit RMU4          | --            | 3000Z27010*)                         | 1                         | Rack-Einbausatz RMU4             |
| Cover for RMU antenna holes   | --            | 9999N05810                           | 2                         | Abdeckung für RMU Ant. Öffnungen |

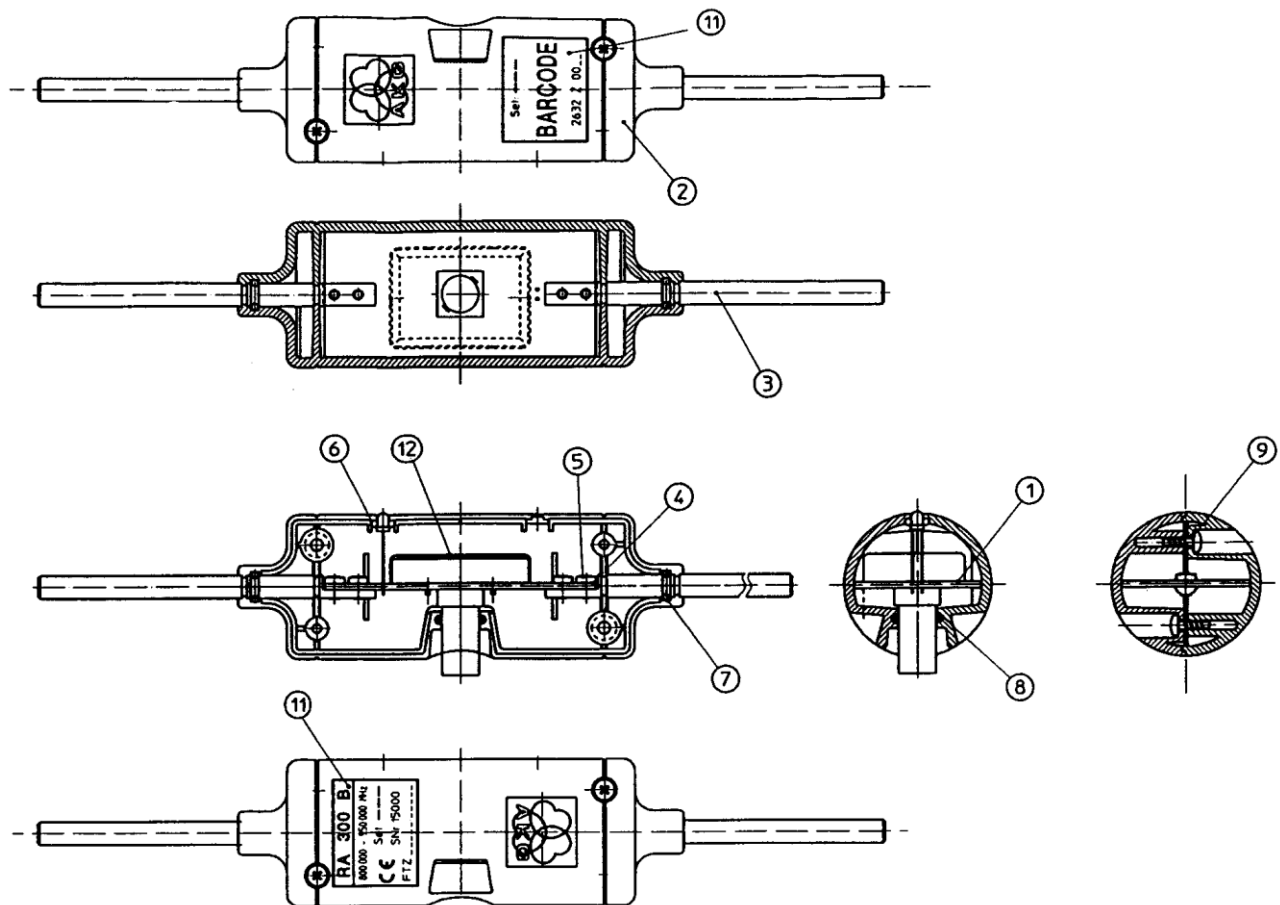
\* Future versions of the PS4000 will not have an on/off switch, the button will be replaced by part 11

Crossed out positions were used for the first series only or for the short housing version  
durchgestrichene Positionen wurden nur bei erster Produktion bzw. kurzem Gehäuse verwendet.

\*) for variations 1 to 4 only / nur für Varianten 1 bis 4

RA4000 B 2632Z0030

RA4000 B/W 2632Z0032

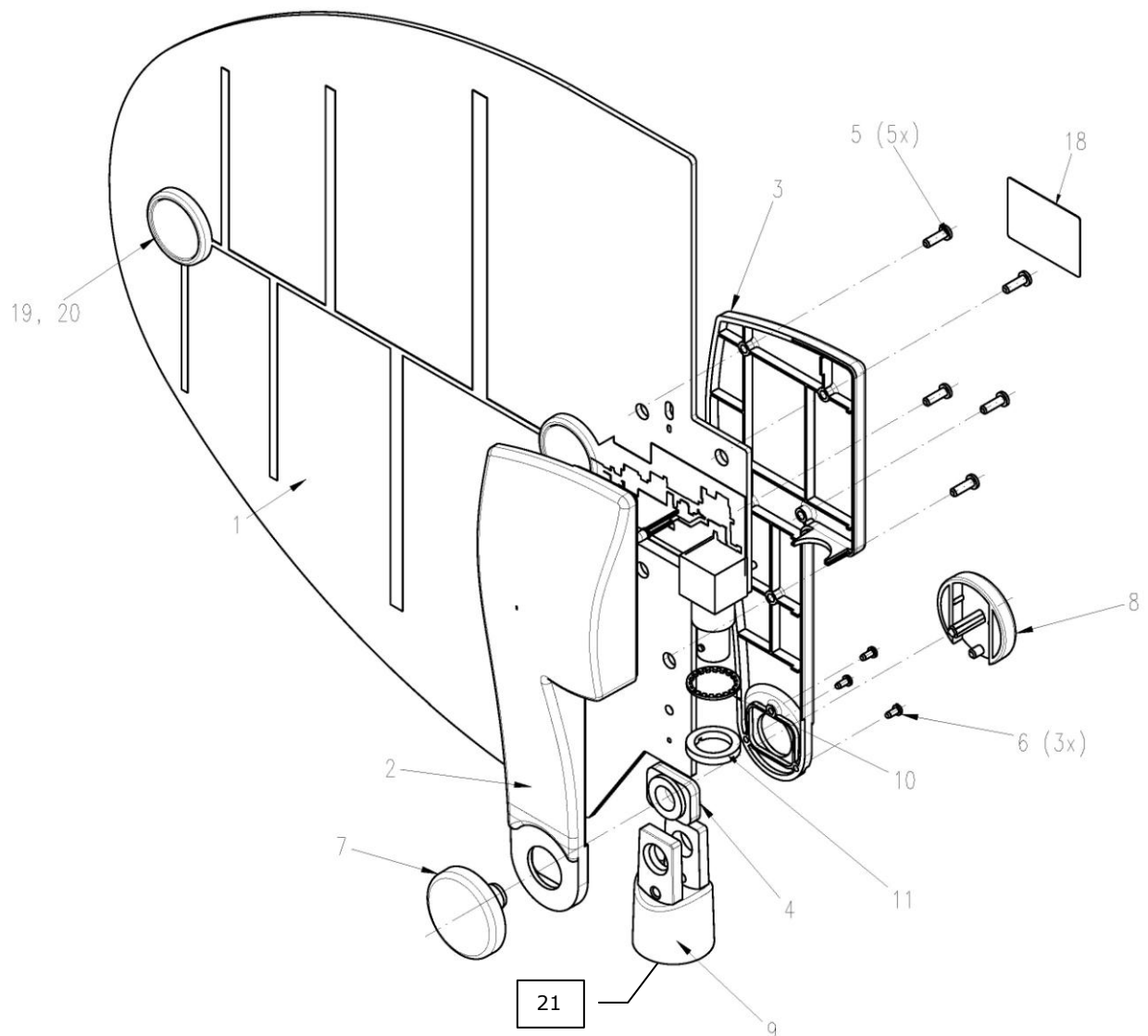


## RA4000 B/W Parts list

## RA4000 B/W Stückliste

| Description                                | Pos. | Part number<br>Bestellnummer | Quantity<br>Stück | Bezeichnung        |
|--------------------------------------------|------|------------------------------|-------------------|--------------------|
| Printed circuit board, compl.<br>RA4000B   | 1    | 2632M03010                   | 1                 | Print, komplett    |
| Printed circuit board, compl.<br>RA4000B/W | 1    | 2632M04020                   | 1                 | Print, komplett    |
| Housing                                    | 2    | 2632M02020                   | 1                 | Housing            |
| Antenna rod                                | 3    | 2632Z06010                   | 2                 | Stabantenne        |
| Locking screw                              | 4    | 7500D25000                   | 4                 | Sicherungsschraube |
| Rubber ring                                | 6    | 6000N00110                   | 1                 | O-Ring             |
| Rubber ring                                | 7    | 6000N00180                   | 2                 | O-Ring             |
| Rubber ring                                | 8    | 6000N00160                   | 1                 | O-Ring             |
| Screw KB30x8                               | 9    | 0099N30080                   | 4                 | Schraube KB30x8    |
| Label                                      | 11   | 4717S00010 #)                | 1                 | Schild             |
| Stand adapter SA43                         | --   | 6001H06310                   | 1                 | Stativanschluß     |

#) please state frequency / bitte Frequenz angeben

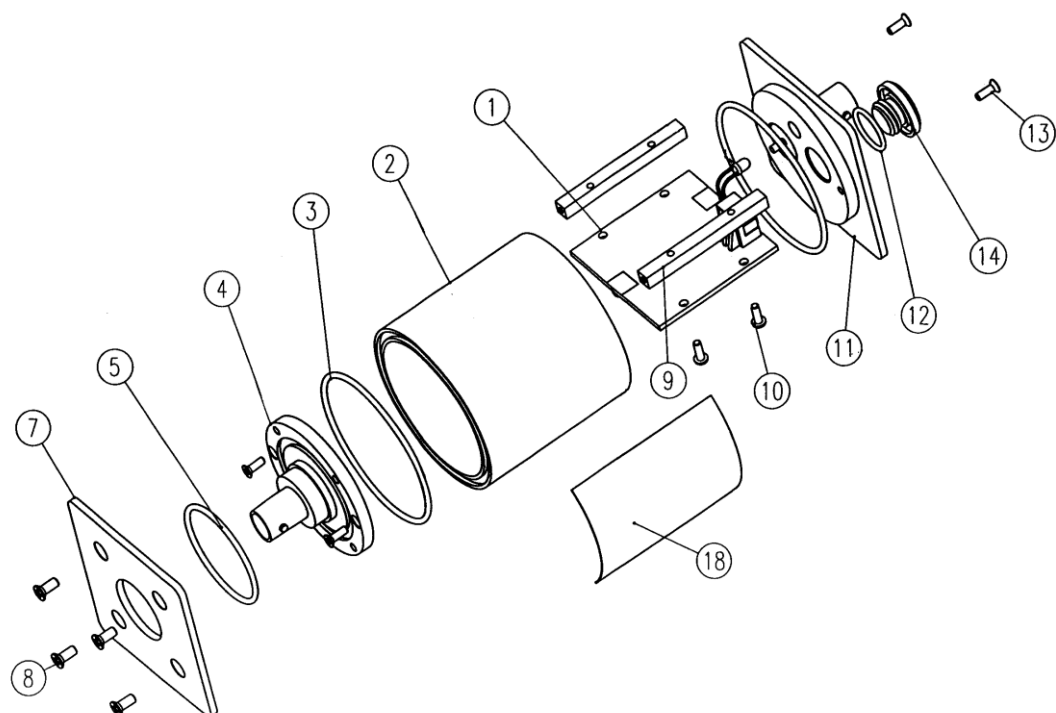
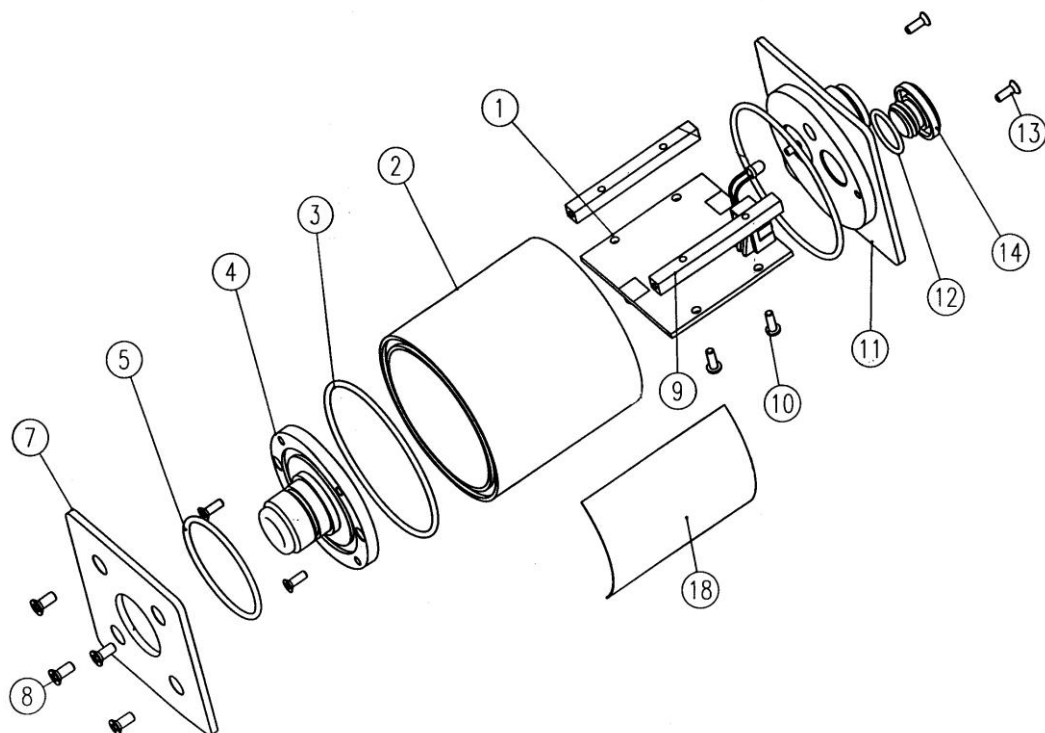


## SRA2 B/W Parts list

## SRA2 B/W Stückliste

| Description             | Pos. | Part number<br>Bestellnummer | Quantity<br>Stück | Bezeichnung               |
|-------------------------|------|------------------------------|-------------------|---------------------------|
| Board complete SRA2B    | 1    | 3009M03010                   | 1                 | Print komplett            |
| Board complete SRA2B/W  | 1    | 3009M05020                   | 1                 | Print komplett            |
| Housing, upper part B/W | 2    | 3009Z11110                   | 1                 | Gehäuseoberteil           |
| Housing, upper part W   | 2    | 3009Z11120                   | 1                 | Gehäuseoberteil           |
| Housing, lower part     | 3    | 3009Z12110                   | 1                 | Gehäuseunterteil          |
| Brake                   | 4    | 3009Z13010                   | 1                 | Bremse                    |
| Screw KB25x8            | 5    | 0099N25060                   | 5                 | Schraube KB25x8           |
| Screw KB18x4            | 6    | 0099N18070                   | 3                 | Schraube KB18x4           |
| Stand adapter cover     | 7    | 2812Z02010                   | 1                 | Stativanschluss-Abdeckung |
| Cover with tap          | 8    | 2812Z03010                   | 1                 | Abdeckung mit Zapfen      |
| Stand adapter head      | 9    | 2812Z04010                   | 1                 | Stativadapter-Kopf        |
| Securing washer         | 10   | 9999N06050                   | 1                 | Sicherungsscheibe         |
| Ring nut                | 11   | 2841Z10010                   | 1                 | Ringmutter                |
| Device sticker          | 18   | 4717S00010#)                 | 1                 | Typenschild               |
| Cover 1                 | 19   | 3009Z38010                   | 2                 | Abdeckung 1               |
| Cover 2                 | 20   | 3009Z39010                   | 2                 | Abdeckung 2               |
| Thread adapter          | 21   | 1649Z00030                   | 1                 | Reduzierstück             |

#) please state frequency / bitte Frequenz angeben

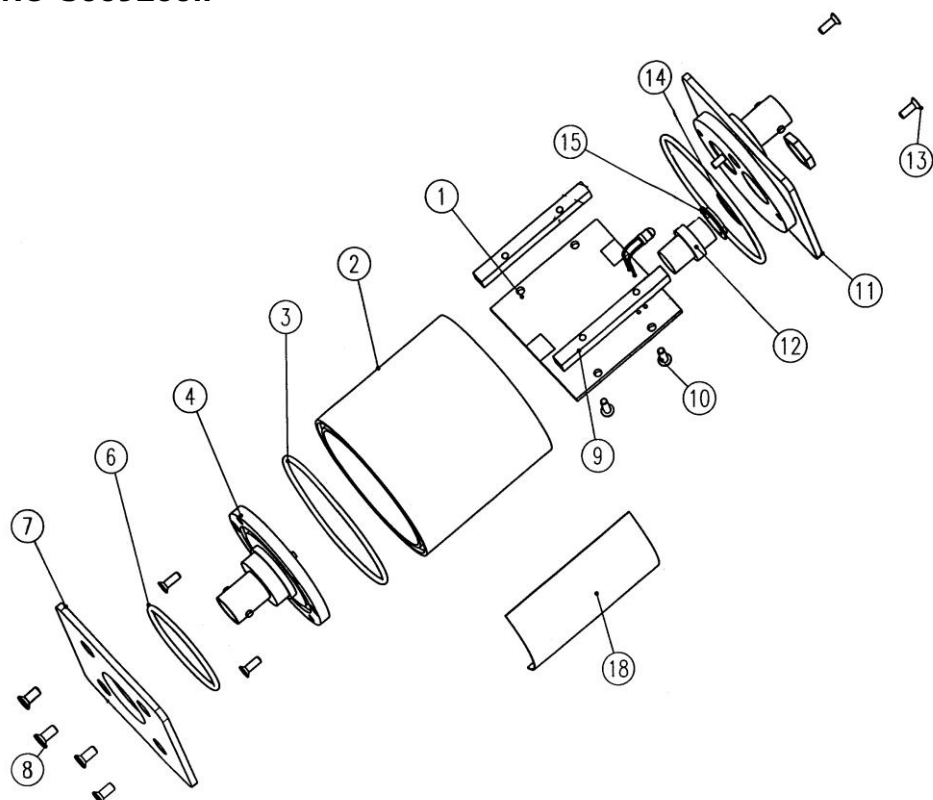
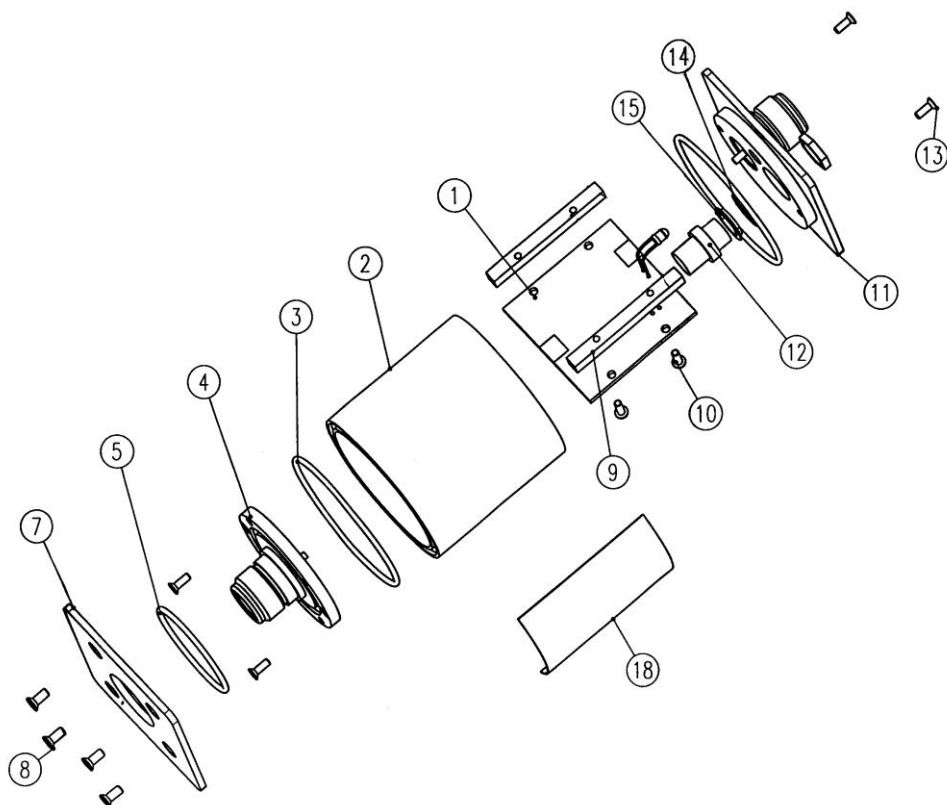
**AB4000 BNC 3009Z00..****AB4000 N**

## AB4000 Parts list

## AB4000 Stückliste

AB 4000 BNC, **3009Z0002**: AAB 4000 N, **3009Z0003**: B A

| Description                  | Pos | Part number<br>Bestellnummer | Quantity /<br>Stück |   | Bezeichnung             |
|------------------------------|-----|------------------------------|---------------------|---|-------------------------|
|                              |     |                              | A                   | B |                         |
| Board complete               | 1   | 3009M01010                   | 1                   | 1 | Print komplett          |
| Housing                      | 2   | 3009Z20010                   | 1                   | 1 | Gehäuse                 |
| Rubber ring 45x1.5           | 3   | 6000N00190                   | 2                   | 2 | O-Ring 45x1,5           |
| Lid, circular                | 4   | 3009Z21010                   | 1                   | 1 | Deckel, rund            |
| Lid, complete with connector | 4   | 3009M10040                   | 1                   | - | Deckel kpl. mit Stecker |
| Lid, complete with connector | 4   | 3009M10030                   | -                   | 1 | Deckel kpl. mit Stecker |
| Rubber ring 28x1.5           | 5   | 6000N00250                   | 1                   | 1 | O-Ring 28x1,5           |
| BNC connector, female        | 6   | 0017E02410                   | 2                   | - | BNC-Buchse, weiblich    |
| N connector, female          | 6   | 0017E02400                   | -                   | 2 | N Buchse, weiblich      |
| Plate                        | 7   | 3009Z22010                   | 1                   | 1 | Platte                  |
| Screw M3x8                   | 8   | 0965D30030                   | 4                   | 4 | Schraube M3x8           |
| Holder                       | 9   | 3009Z23010                   | 2                   | 2 | Stütze                  |
| Screw M2x6                   | 10  | 7985D20050                   | 4                   | 4 | Schraube M2x6           |
| Lid                          | 11  | 3009Z24010                   | 1                   | 1 | Deckel                  |
| Lid, complete with connector | 11  | 3009M10020                   | 1                   | - | Deckel kpl. mit Stecker |
| Lid, complete with connector | 11  | 3009M10010                   | -                   | 1 | Deckel kpl. mit Stecker |
| Rubber ring 10x1.5           | 12  | 6000N00240                   | 1                   | 1 | O-Ring 10x1,5           |
| Screw M2x10                  | 13  | 0965D20060                   | 4                   | 4 | Schraube M2x10          |
| Screw                        | 14  | 3009Z26010                   | 1                   | 1 | Schraube                |
| Device sticker               | 18  | 9110U32420                   | 1                   | - | Typenschild             |
|                              | 18  | 9110U32390                   | -                   | 1 |                         |

**ASU4000 BNC 3009Z00..****ASU4000 N**

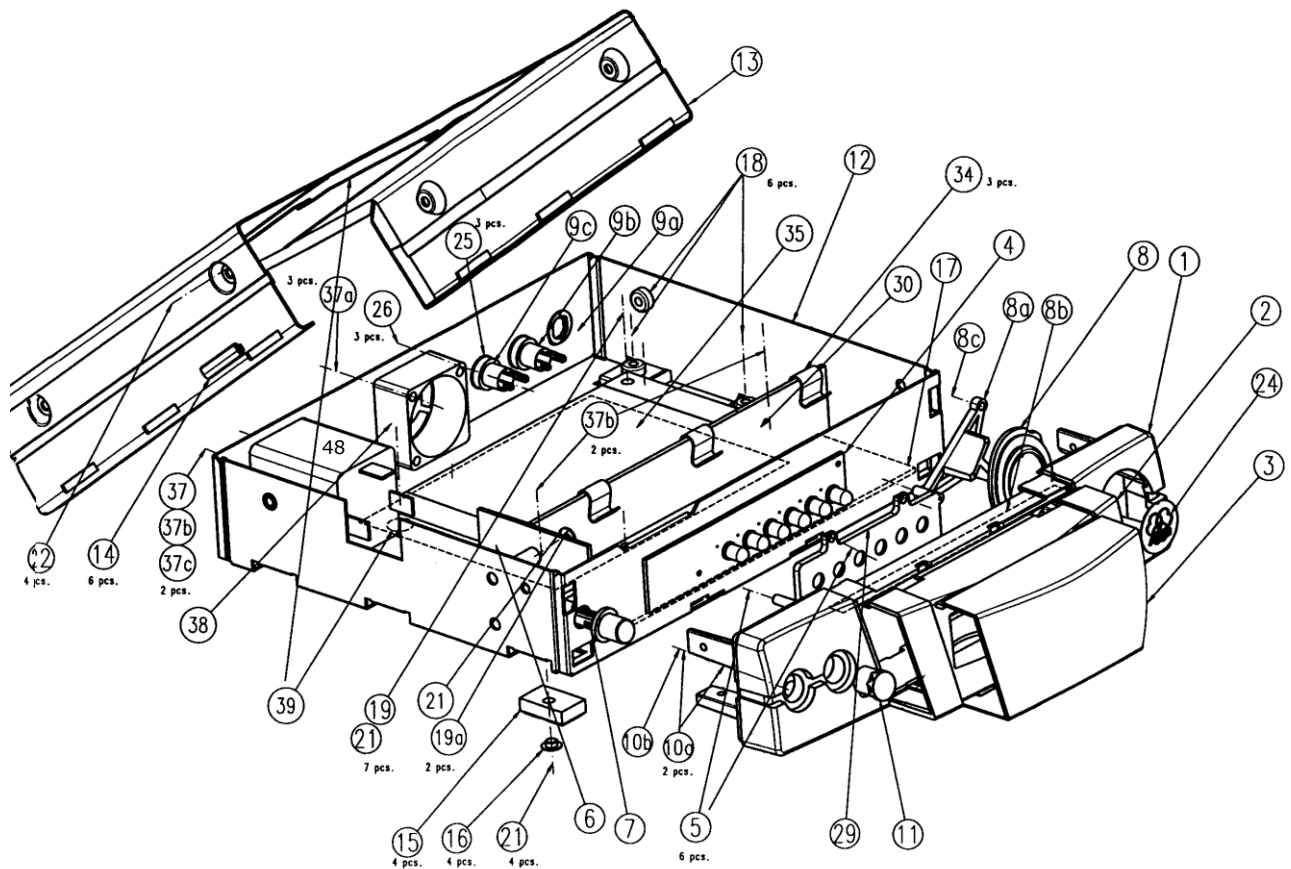
## ASU4000 Parts list

## ASU4000 Stückliste

|                  |           |                  |                |           |   |
|------------------|-----------|------------------|----------------|-----------|---|
|                  |           | <b>3009Z00..</b> |                |           |   |
| ASU 4000 EU BNC: | <b>04</b> | A                | ASU 4000 UK N: | <b>08</b> | E |
| ASU 4000 UK BNC: | <b>05</b> | B                | ASU 4000 US N: | <b>09</b> | F |
| ASU 4000 US BNC: | <b>06</b> | C                | ASU 4000 BNC:  | <b>10</b> | G |
| ASU 4000 EU N:   | <b>07</b> | D                | ASU 4000 N:    | <b>11</b> | H |

| Description                    | Pos | Part number<br>Bestellnummer | Quantity / Stück |   |   |   |   |   |   |   |  |  | Bezeichnung                        |
|--------------------------------|-----|------------------------------|------------------|---|---|---|---|---|---|---|--|--|------------------------------------|
|                                |     |                              | A                | B | C | D | E | F | G | H |  |  |                                    |
| Board complete                 | 1   | 3009M02010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Print komplett                     |
| Housing                        | 2   | 3009Z20010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Gehäuse                            |
| Rubber ring                    | 3   | 6000N00190                   | 2                | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  | O-Ring                             |
| Lid, circular                  | 4   | 3009Z21010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Deckel, rund                       |
| Lid, complete with connector   | 4   | 3009M10040                   | 1                | 1 | 1 | - | - | - | 1 | - |  |  | Deckel kpl. mit Stecker            |
| Lid, complete with connector   | 4   | 3009M10030                   | -                | - | - | 1 | 1 | 1 | - | 1 |  |  | Deckel kpl. mit Stecker            |
| Rubber ring                    | 5   | 6000N00250                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | O-Ring                             |
| BNC connector, female          | 6   | 0017E02410                   | 2                | 2 | 2 | - | - | - | 2 | - |  |  | BNC-Buchse, weiblich               |
| N connector, female            | 6   | 0017E02400                   | -                | - | - | 2 | 2 | 2 | - | 2 |  |  | N Buchse, weiblich                 |
| Plate                          | 7   | 3009Z22010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Platte                             |
| Screw M3x8                     | 8   | 0965D30030                   | 4                | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |  | Schraube M3x8                      |
| Holder                         | 9   | 3009Z23010                   | 2                | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  | Stütze                             |
| Screw M2x6                     | 10  | 7985D20050                   | 4                | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |  | Schraube M2x6                      |
| Lid                            | 11  | 3009Z25010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Deckel                             |
| Lid, complete with connector   | 11  | 3009M10060                   | 1                | 1 | 1 | - | - | - | 1 | - |  |  | Deckel kpl. mit Stecker            |
| Lid, complete with connector   | 11  | 3009M10050                   | -                | - | - | 1 | 1 | 1 | - | 1 |  |  | Deckel kpl. mit Stecker            |
| DC Jack-socket                 | 12  | 0110E02710                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | DC Klinkenbuchse                   |
| Insulating disc                | 14  | 3000Z39010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Isolierscheibe                     |
| Insulation                     | 15  | 3000Z38010                   | 1                | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |  | Isolierung                         |
| Device sticker                 | 18  | 9110U32400                   | 1                | 1 | 1 | - | - | - | 1 | - |  |  | Typenschild                        |
|                                | 18  | 9110U32430                   | -                | - | - | 1 | 1 | 1 | - | 1 |  |  |                                    |
| Power adapter EU               | --  | 0027E00470                   | 1                | - | - | 1 | - | - | - | - |  |  | Netzadapter EU                     |
| Power adapter EU<br>sales item |     | 7801H00010                   | 1                | - | - | 1 | - | - | - | - |  |  | Netzadapter EU<br>Vertriebsprodukt |
| Power adapter US               | --  | 0027E00480                   | -                | - | 1 | - | - | 1 | - | - |  |  | Netzadapter US                     |
| Power adapter UK               | --  | 0027E00490                   | -                | 1 | - | - | 1 | - | - | - |  |  | Netzadapter UK                     |

## PSU4000 2997Z00..

**IMPORTANT REMARK**

Do not remove the internal ground connector.  
 Always tightly fasten the ground screws of the internal switching power supply.  
 The internal switching power supply and all components connected to mains voltage are safety relevant. These parts shall only be replaced by original AKG spare parts.  
 Do not modify the original construction.

**WICHTIGER HINWEIS**

Entfernen Sie nicht die interne Schutzterdeverbindung.  
 Befestigungsschrauben der Schutzterdeverbindung müssen fest angezogen werden.  
 Das Schaltnetzteil und alle Bauteile im netzspannungsführenden Teil des Gerätes sind sicherheitsrelevant. Teile dürfen nur gegen AKG Original-Ersatzteile ausgetauscht werden.  
 Jede Modifikation des Gerätes ist zu unterlassen.

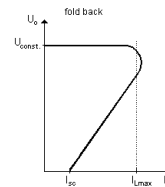
## PSU4000 Parts list

## PSU4000 Stückliste

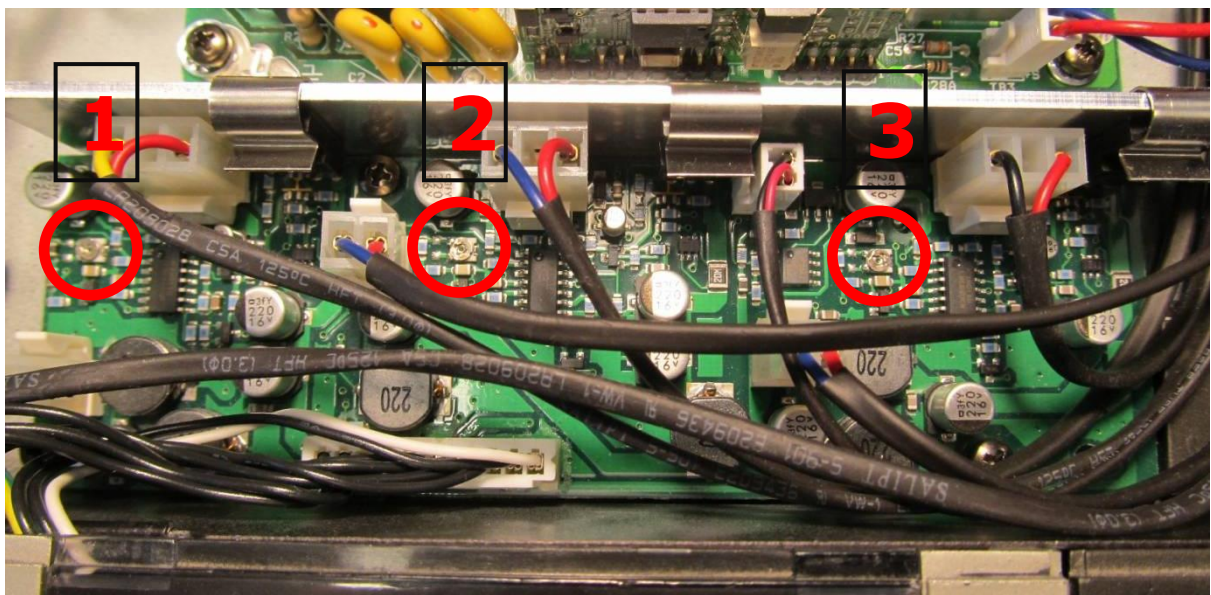
| <i>Description</i>             | <i>Pos.</i> | <i>Part number<br/>Bestellnummer</i> | <i>Quantity<br/>Stück</i> | <i>Bezeichnung</i>               |
|--------------------------------|-------------|--------------------------------------|---------------------------|----------------------------------|
| Front panel                    | 1           | 3000Z22130                           | 1                         | Frontplatte                      |
| Display cover                  | 2           | 3000Z23030                           | 1                         | Displayabdeckung                 |
| Display glass                  | 3           | 3000Z24010                           | 1                         | Displayglas                      |
| Protective foil for 3          | -           | 3000Z56010                           | 1                         | Schutzfolie                      |
| LED board, complete            | 4           | 2997M02010                           | 1                         | Frontprint, komplett             |
| Screw PTKC14x4 for 4, 2?       | 5           | 0099N14020                           | 6                         | Schraube PTKC14x4 für 4,2?       |
| Mains switch-board compl.      | 6           | 2997M01010                           | 1                         | Netzschalterprint komplett       |
| Button for on/off-switch       | 7           | 3000Z48010                           | 1                         | Knopf für on/off-Schalter        |
| Cover-ring                     | 8           | 3000Z47010                           | 1                         | Abdeckring                       |
| Holder for cover ring          | 8a          | 3000Z50010                           | 1                         | Halter für Abdeckring            |
| Support                        | 8b          | 3000Z51010                           | 1                         | Verstärkung                      |
| Locking screw                  | 8c          | 7500D25000                           | 2                         | Sicherungsschraube               |
| Connector with cable           | 9a          | 0110E02580                           | 1                         | Buchse mit Kabel                 |
| Connector with cable           | 9b          | 0110E02590                           | 1                         | Buchse mit Kabel                 |
| Connector with cable           | 9c          | 0110E02600                           | 1                         | Buchse mit Kabel                 |
| Toothed washer (for grounding) | 10a         | 6797D43010                           | 2                         | Zahnscheibe (Erdung)             |
| Screw M4x8 (for grounding)     | 10b         | 7985D40020                           | 1                         | Schraube (Erdung)                |
| Color indicator, black         | 11          | 3000Z36010                           | 1                         | Farb-Indikator, schwarz          |
| Housing                        | 12          | 3000Z17010                           | 1                         | Gehäuse                          |
| Housing cover                  | 13          | 3000Z15020                           | 1                         | Haube                            |
| Filler piece                   | 14          | 3000Z18010                           | 6                         | Einsatz                          |
| Rivet for 14                   | --          | 7337D30020                           | 2                         | Blindniete für 14                |
| Foot                           | 15          | 3000Z20010                           | 4                         | Fuß                              |
| Bushing                        | 16          | 3000Z21010                           | 4                         | Hülse                            |
| Main board*see next page       | 17          | 2997M03010                           | 1                         | Hauptprint*nächste Seite         |
| Washer                         | 19a         | 0125D03260                           | 2                         | Scheibe                          |
| Screw M3x8 for 15 and 17?      | 21          | 7985D30110                           | 13                        | Schraube M3x8 für 15 und 17      |
| Screw M3x12 for housing cover  | 22          | 7985D30120                           | 4                         | Schraube M3x12 für Haube         |
| Label 'AKG'                    | 24          | 3000Z37010                           | 1                         | Schild 'AKG'                     |
| Insulation for 9a,b,c          | 25          | 3000Z38010                           | 3                         | Isolierung für 9a,b,c            |
| Insulating disc for 9a,b,c     | 26          | 3000Z39010                           | 3                         | Isolierscheibe für 9a,b,c        |
| Heat sink                      | 30          | 3000Z53010                           | 1                         | Kühlblech                        |
| Transistor clamp               | 34          | 0013E02010                           | 3                         | Transistorklemme                 |
| Power supply                   | 35          | 0027E00500                           | 1                         | Netzteil                         |
| Screw KB35x8 for 38            | 37          | 0099N35020                           | 3                         | Schraube KB35x8 für 38           |
| Toothed washer for 38          | 37          | 6797D32020                           | 2                         | Zahnscheibe für 38               |
| Fan                            | 38          | 0027E00460                           | 1                         | Lüfter                           |
| Mains filter                   | 48          | 0018E03480                           | 1                         | Netzfilter                       |
| Fuse 2A slow blow              | --          | 0012E00140                           | 2                         | Sicherung 2A träge               |
| Internal cabling               | --          | 0110E02560                           | 1                         | Interne Verkabelung              |
| Mains cable EU                 | --          | 0110E02120                           | 1*                        | Netzkabel EU                     |
| Mains cable US                 | --          | 0110E02110                           | 1*                        | Netzkabel US                     |
| Mains cable UK                 | --          | 6001H36040                           | 1*                        | Netzkabel UK                     |
| Supply cable DC                | --          | 0110E02650                           | 3                         | Versorgungskabel DC              |
| Rack mount unit RMU1           | --          | 3000Z28010                           | 1                         | Rack-Einbausatz RMU1             |
| Rack mount unit RMU2           | --          | 3000Z26010                           | 1                         | Rack-Einbausatz RMU2             |
| Rack mount unit RMU4           | --          | 3000Z29010                           | 1                         | Rack-Einbausatz RMU4             |
| Cover for RMU antenna holes    | --          | 9999N05810                           | 2                         | Abdeckung für RMU Ant. Öffnungen |

\*Always adjust the current limiter when the main board has been replaced.

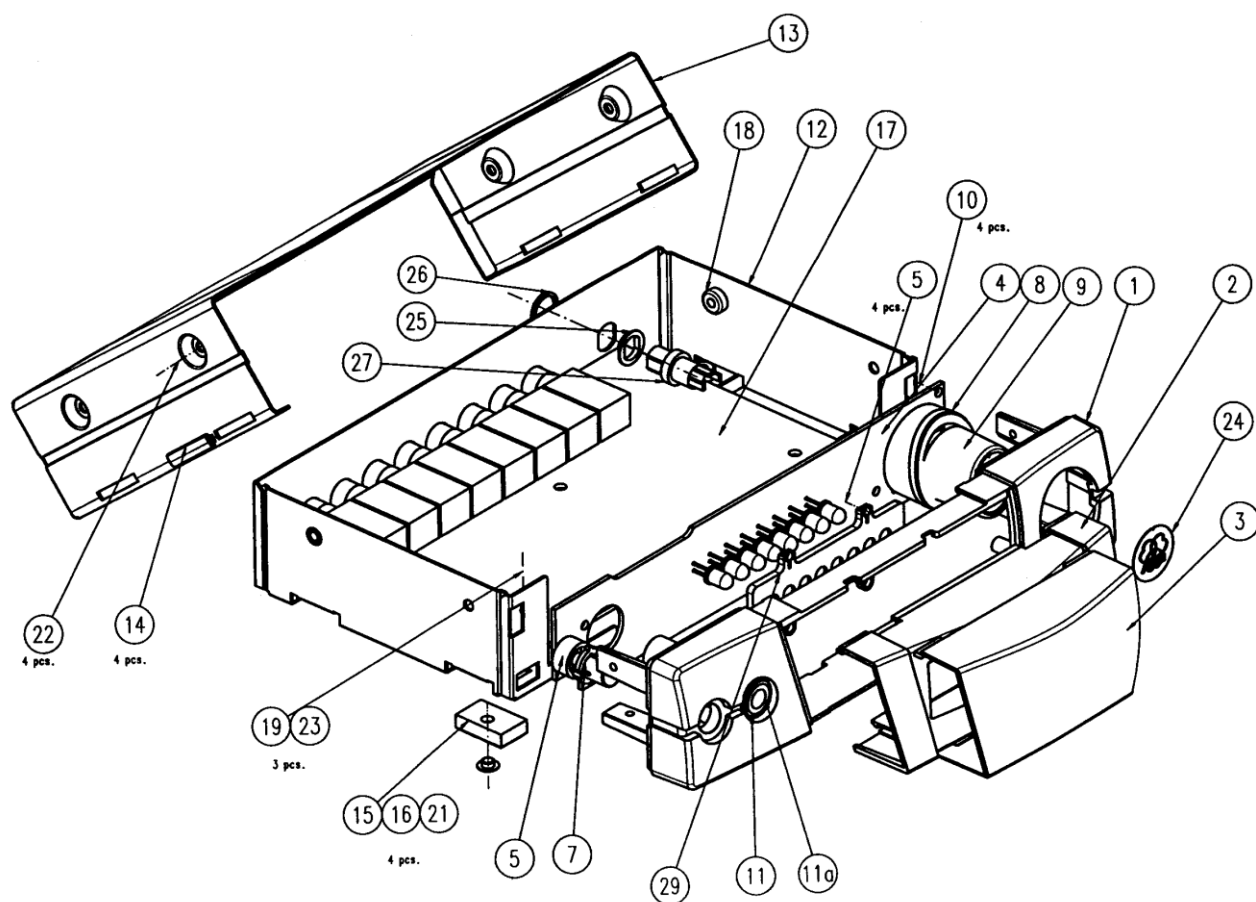
### Adjustment of fold back characteristic:



- DC-output 1, 2,5A: measure the short-circuit current and adjust with poti "1" to 0,7A
- DC-output 2, 2A: measure the short-circuit current and adjust with poti "2" to 0,3A
- DC-output 3, 2A: measure the short-circuit current and adjust with poti "3" to 0,3A



## HPA4000 2998Z00..



## HPA4000 Parts list

## HPA4000 Stückliste

| <i>Description</i>            | <i>Pos.</i> | <i>Part number<br/>Bestellnummer</i> | <i>Quantity<br/>Stück</i> | <i>Bezeichnung</i>               |
|-------------------------------|-------------|--------------------------------------|---------------------------|----------------------------------|
| Front panel                   | 1           | <del>3000Z22040</del>                | 1                         | Frontplatte                      |
| Display cover                 | 2           | 3000Z23040                           | 1                         | Displayabdeckung                 |
| Display glass                 | 3           | 3000Z24010                           | 1                         | Displayglas                      |
| Front board, complete         | 4           | <del>3000M07010</del>                | 1                         | Frontprint, komplett             |
| Front board, complete         | 4           | 2998M01010                           | 1                         | Frontprint, komplett             |
| On/off switch S100            | --          | 0040E01970                           | 1                         | On/off Schalter S100             |
| Dial Jog                      | --          | 0040E02000                           | 1                         | Dreh-Drücksteller                |
| Washer for on/off switch      | 5           | 3000Z31010                           | 1                         | Scheibe für on/off-Schalter      |
| Screw PTKC14x4                | ?           | 0099N14020                           | 1                         | Schraube PTKC14x4                |
| Button for on/off-switch      | 7           | 3000Z33010                           | 1                         | Knopf für on/off-Schalter        |
| Cover-ring                    | 8           | 3000Z45010                           | 1                         | Abdeckring                       |
| Button                        | 9           | 3000Z35010                           | 1                         | Knopf                            |
| Locking screw                 | 10          | 7500D25000                           | 4                         | Sicherungsschraube               |
| Adapter 1/4"                  | 11          | 3000Z55010                           | 1                         | Adapter 6,3 mm                   |
| Stereo jack socket 1/4"       | 11a         | 0017E03600                           | 1                         | Stereoklinkenbuchse 6,3 mm       |
| Housing                       | 12          | 3000Z13010                           | 1                         | Gehäuse                          |
| Housing cover                 | 13          | 3000Z16020                           | 1                         | Haube                            |
| Filler piece                  | 14          | 3000Z18010                           | 4                         | Einsatz                          |
| Foot                          | 15          | 3000Z20010                           | 4                         | Fuß                              |
| Bushing                       | 16          | 3000Z21010                           | 4                         | Hülse                            |
| Main board, complete          | 17          | <del>3000M03010</del>                | 1                         | Hauptprint, komplett             |
| Main board, complete          | 17          | 2998M02010                           | 1                         | Hauptprint, komplett             |
| Stereo jack socket            | --          | 0017E03570                           | 8                         | Stereoklinkenbuchse              |
| Screw M3x8 for 15 and 17      | 21, 23      | 7985D30110                           | 6                         | Schraube M3x8 für 15 und 17      |
| Screw M3x12 for housing cover | 22          | 7985D30120                           | 4                         | Schraube M3x12 für Haube         |
| Label 'AKG' for Pos. 9        | 24          | 3000Z37010                           | 1                         | Schild 'AKG' für Pos. 9          |
| Insulation                    | 25          | 3000Z38010                           | 1                         | Isolierung                       |
| Insulating disc               | 26          | 3000Z39010                           | 1                         | Isolierscheibe                   |
| DC-Jack socket                | 27          | 0110E02710                           | 1                         | DC-Buchse                        |
| Power adapter 12V/500mA EU    | --          | <del>0027E00470</del> old            | x                         | Netzteil 12V/500mA EU            |
|                               |             | 7801H00010 new                       | x                         |                                  |
| Power adapter 12V/500mA US    | --          | 0027E00480                           | x                         | Netzteil 12V/500mA US            |
| Power adapter 12V/500mA UK    | --          | 0027E00490                           | x                         | Netzteil 12V/500mA UK            |
| Rack mount unit RMU1          | --          | 3000Z25010                           | 1                         | Rack-Einbausatz RMU1             |
| Rack mount unit RMU2          | --          | 3000Z26010                           | 1                         | Rack-Einbausatz RMU2             |
| Rack mount unit RMU4          | --          | 3000Z27010                           | 1                         | Rack-Einbausatz RMU4             |
| Cover for RMU antenna holes   | --          | 9999N05810                           | 2                         | Abdeckung für RMU Ant. Öffnungen |
| Audio cable set               | --          | 0110E02700                           | 1                         | Audio Kabelsatz                  |

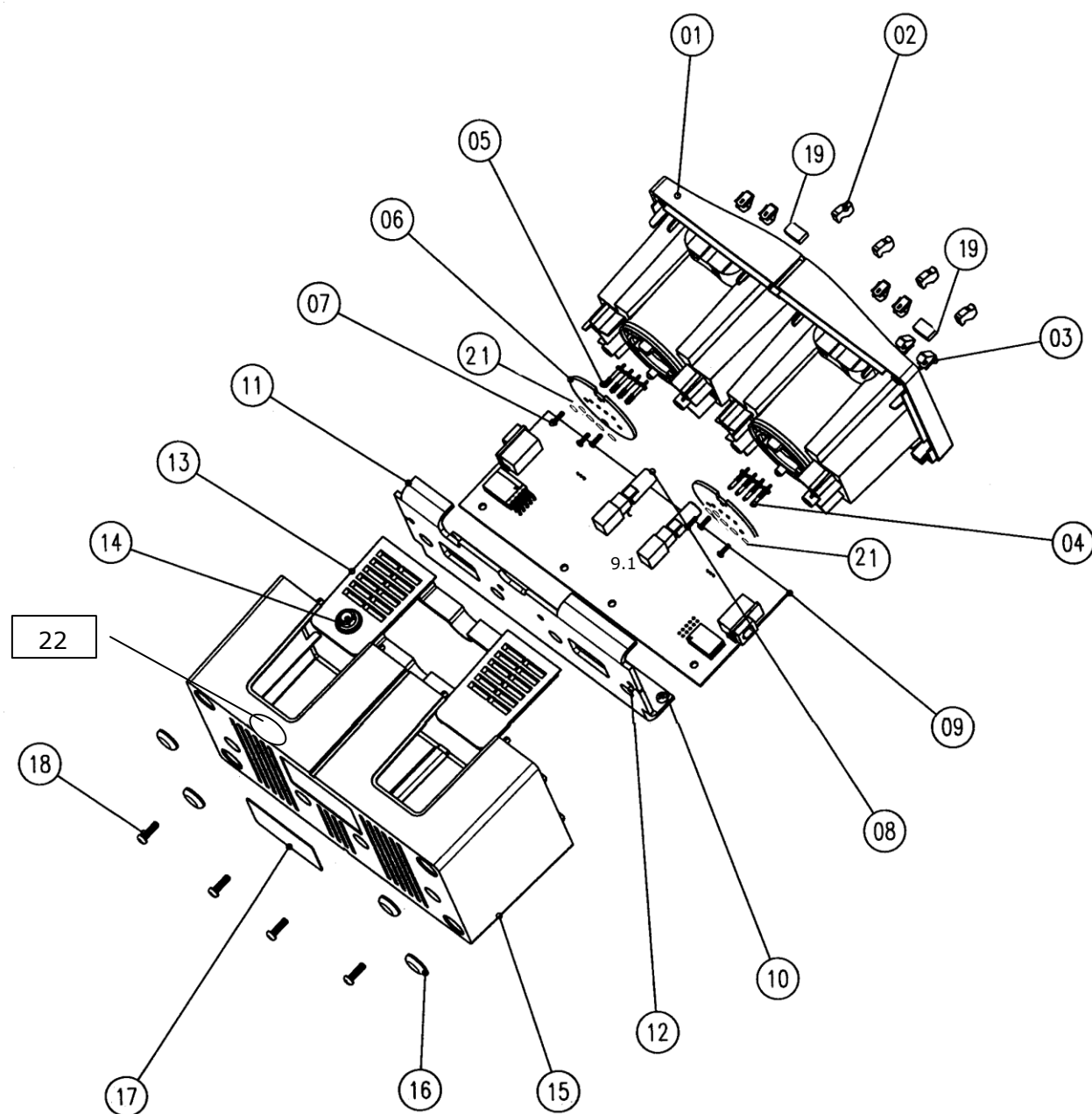


## HUB4000/Q Parts list

## HUB4000/Q Stückliste

| Description                         | Pos.          | Part number<br>Bestellnummer | Quantity/ Stück |              | Bezeichnung                         |
|-------------------------------------|---------------|------------------------------|-----------------|--------------|-------------------------------------|
|                                     |               |                              | HUB             | HUBQ         |                                     |
| <del>Front panel</del>              | <del>±</del>  | <del>3000Z22050</del>        | <del>±</del>    | <del>-</del> | <del>Frontplatte</del>              |
| Front panel                         | 1             | 3000Z22170                   | -               | 1            | Frontplatte                         |
| Display cover                       | 2             | 3000Z23050                   | 1               | -            | Displayabdeckung                    |
| Display cover                       | 2             | 3000Z23070                   | -               | 1            | Displayabdeckung                    |
| Display glass                       | 3             | 3000Z24010                   | 1               | 1            | Displayglas                         |
| Front board, compl.                 | 4             | 2999M01010                   | 1               | 1            | Frontprint, komplett                |
| On/off switch s1                    | --            | 0040E02070                   | 1               | 1            | On/off Schalter s1                  |
| DIP switch sw1                      | --            | 0040E02090                   | 1               | 1            | DIP-Schalter sw1                    |
| LED blue                            | --            | 0014E01630                   | 8               | 8            | LED blau                            |
| LED green                           | --            | 0014E01650                   | 3               | 3            | LED grün                            |
| Screw PTKC14x4 for 29               | 5             | 0099N14020                   | 4               | 4            | Schraube PTKC14x4 für 29            |
| Button for on/off-switch            | 7             | 3000Z41010                   | 1               | 1            | Knopf für on/off-Schalter           |
| Cover-ring                          | 8             | 3000Z45010                   | 1               | 1            | Abdeckring                          |
| Button                              | 9             | 3000Z46010                   | 1               | 1            | Knopf                               |
| Locking screw for 4                 | 10            | 7500D25000                   | 4               | 4            | Sicherungsschraube für 4            |
| Color indicator, transparent        | 11            | 3000Z36020                   | 1               | 1            | Farb-Indikator, transparent         |
| Housing                             | 12            | 3000Z12010                   | 1               | -            | Gehäuse                             |
| Housing                             | 12            | 3000Z12020                   | -               | 1            | Gehäuse                             |
| Housing cover                       | 13            | 3000Z16020                   | 1               | 1            | Haube                               |
| Filler piece                        | 14            | 3000Z18010                   | 4               | 4            | Einsatz                             |
| Foot                                | 15            | 3000Z20010                   | 4               | 4            | Fuß                                 |
| Bushing                             | 16            | 3000Z21010                   | 4               | 4            | Hülse                               |
| <del>Main board, complete</del>     | <del>17</del> | <del>2999M02010</del>        | <del>±</del>    | <del>±</del> | <del>Hauptprint, komplett</del>     |
| Connector RJ11 4pole ST1...ST8      | --            | 0017E04100                   | 8               | 8            | Buchse RJ11 4polig ST1...ST8        |
| Connector RJ45 LAN ST9              | --            | 0016E08080                   | 1               | 1            | Buchse RJ45 LAN ST9                 |
| Screw M3x8 for 15 and 17            | 21,23         | 7985D30110                   | 7               | 7            | Schraube M3x8 für 15 und 17         |
| Screw M3x12 for housing cover       | 22            | 7985D30120                   | 4               | 4            | Schraube M3x12 für Haube            |
| Label 'AKG' for Pos. 9              | 24            | 3000Z37010                   | 1               | 1            | Schild 'AKG' für Pos. 9             |
| Insulation                          | 25            | 3000Z38010                   | 1               | 1            | Isolierung                          |
| Insulating disc                     | 26            | 3000Z39010                   | 1               | 1            | Isolierscheibe                      |
| DC-Jack socket                      | 27            | 0110E02710                   | 1               | 1            | DC-Buchse                           |
| Cover                               | 29            | 3000Z54010                   | 1               | -            | Abdeckung                           |
| Cover                               | 29            | 3000Z54020                   | -               | 1            | Abdeckung                           |
| Teethed washer                      | 40            | 6797D32010                   | ±               | -            | Zahnscheibe                         |
| Nut                                 | 41            | 0934D30010                   | ±               | -            | Mutter                              |
| Solder tag                          | 42            | 4149N60330                   | 1               | 1            | Lötflügel                           |
| Screw                               | 43            | 7045D30010                   | ±               | -            | Schraube                            |
| Ferrite core                        | 44            | 0023E00830                   | 1               | 1            | Ferritkern                          |
| <del>Watchdog board, complete</del> | <del>45</del> | <del>2999M03010</del>        | <del>±</del>    | <del>-</del> | <del>Watchdog-Print, komplett</del> |
| Spacer                              | 45a           | 9999N01410                   | ±               | -            | Abstandsbolzen                      |
| Washer                              | 46            | 0125D03260                   | 2               | 2            | Scheibe                             |
| Power adapter 12V/500mA EU          | --            | 0027E00470<br>7801H00010     | x               | x            | Netzteil 12V/500mA EU               |
| Power adapter 12V/500mA US          | --            | 0027E00480                   | x               | x            | Netzteil 12V/500mA US               |
| Power adapter 12V/500mA UK          | --            | 0027E00490                   | x               | x            | Netzteil 12V/500mA UK               |
| Rack mount unit RMU1                | --            | 3000Z25010                   | 1               | 1            | Rack-Einbausatz RMU1                |
| Rack mount unit RMU2                | --            | 3000Z26010                   | 1               | 1            | Rack-Einbausatz RMU2                |
| Rack mount unit RMU4                | --            | 3000Z27010                   | 1               | 1            | Rack-Einbausatz RMU4                |
| Cover for RMU antenna holes         | --            | 9999N05810                   | 2               | 2            | Abdeckung für RMU Ant. Öffnungen    |
| HUB cable set                       | --            | 0110E02660                   | 1               | 1            | HUB Kabelset                        |

CU4000 2887 Z/H/X 00..

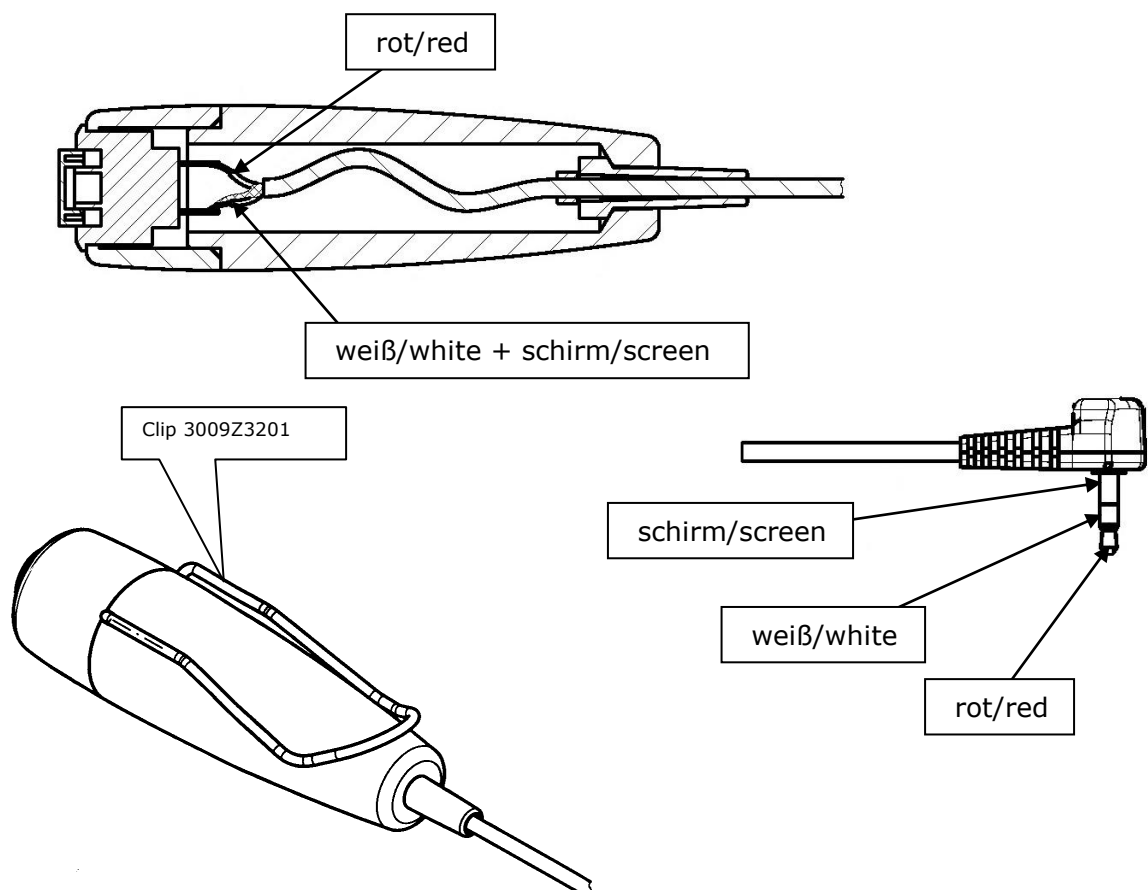


**CU4000 Parts list****CU4000 Stückliste**

| <i>Description</i>              | <i>Pos.</i> | <i>Part number<br/>Bestellnummer</i> | <i>Quantity<br/>Stück</i> | <i>Bezeichnung</i>         |
|---------------------------------|-------------|--------------------------------------|---------------------------|----------------------------|
| Housing top                     | 1           | 2887Z11110                           | 1                         | Gehäusedeckel              |
| Light guide                     | 2           | 2887Z15010                           | 4                         | Lichtleiter                |
| Cable assembly w. DC-socket     | 3           | 2887M14010                           | 1                         | Kabelsatz mit DC-Buchse    |
| Cable assembly                  | 3           | 2887M13010                           | 1                         | Kabelsatz                  |
| Contact pin                     | 4           | 2887Z16010                           | 8                         | Kontaktstift               |
| Spring                          | 5           | 9999N06890                           | 8                         | Feder                      |
| Contact holder                  | 6           | 2887Z12010                           | 2                         | Kontakthalter              |
| Screw                           | 7           | 0099N18020                           | 6                         | Schraube                   |
| Switch button                   | 8           | 2887Z19010                           | 2                         | Schalterknopf              |
| Pcb. compl.                     | 9           | 2887L01030                           | 1                         | Print, komplett, ROHS ok   |
| Push button switch ('Recovery') | 9.1         | 0040E02100                           | 2                         | Druckschalter ('Recovery') |
| Screw M3x6                      | 10          | 7985D30000                           | 4                         | Schraube M3x6              |
| Panel                           | 11          | 2887Z17010                           | 1                         | Panel                      |
| Screw                           | 12          | 0099N30090                           | 4                         | Schraube                   |
| Housing part                    | 13          | 2887Z14110                           | 1                         | Gehäuseteil                |
| Cable assembly 2                | 14          | <del>2887M06010</del>                | 1                         | Kabelsatz 2                |
| Cable assembly 5                | 14          | 2887M14010                           | 1                         | Kabelsatz 5                |
| Housing bottom                  | 15          | 2887Z13110                           | 1                         | Gehäuseboden               |
| Foot                            | 16          | 9999N06930                           | 4                         | Fuß                        |
| Device sticker                  | 17          | 4757S00010                           | 1                         | Typenschild                |
| Screw                           | 18          | 0099N30020                           | 4                         | Schraube                   |
| Rubber element                  | 19          | <del>2887Z18010</del>                | 2                         | Gummitteil                 |
| Rubber element                  | 19          | 2887Z21010                           | 2                         | Gummitteil                 |
| Washer                          | 21          | 2366Z03010                           | 8                         | Scheibe                    |
| Sticker 12V DC                  | 22          | 4785S00010                           | 1                         | Aufkleber 12V DC           |
| Bicolor LED                     | --          | 9014E00710                           | 4                         | LED zweifarbig             |
| Battery pack BP4000             | --          | 3004Z00030                           | 2                         | Akkupack BP4000            |

**RMU4000 Parts / Teile**

|                    |            | <b>SR4000</b> | <b>HUB4000</b> | <b>HPA4000</b> | <b>PSU4000</b> | <b>PS4000</b> | <b>Description</b>                                                                                                                                                         |
|--------------------|------------|---------------|----------------|----------------|----------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RMU1               | 3000Z28010 | 1             | -              | -              | 1              | -             | long front as necessary for one item in a 19" rack, long side, for heavy item / lange Frontseite, langer Seitenschenkel, wird für ein schweres Gerät in 19" Rack benötigt  |
| RMU1               | 3000Z25010 | -             | 1              | 1              | -              | 1             | long front as necessary for one item in a 19" rack, short side, for light item / lange Frontseite, kurzer Seitenschenkel, wird für ein leichtes Gerät in 19" Rack benötigt |
| RMU2               | 3000Z26010 | 1             | 1              | 1              | 1              | 1             | coupling piece for two items, to be inserted instead of housing feet / Koppelstück für zwei Geräte. Wird statt der Gehäusefüsse montiert                                   |
| RMU4               | 3000Z29010 | 1             | -              | -              | 1              | -             | short front, long side, for heavy item / kurze Frontseite, langer Seitenschenkel, für schweres Gerät                                                                       |
| RMU4               | 3000Z27010 | -             | 1              | 1              | -              | 1             | short front, short side, for light item / kurze Frontseite, kurzer Seitenschenkel, für leichtes Gerät                                                                      |
| Cover<br>Abdeckung | 9999N05810 | 2             | 2              | 2              | 2              | 2             | for antenna socket holes of RMU1 and RMU4 für Antennenöffnungen in RMU1 und RMU4                                                                                           |

**RMS4000 REMOTE MUTE SWITCH / MUTE-FERNSCHALTER****3009Z00120**

D 880 WL-1 MkII 2982Z0011  
 D 3700 WL-1 MkII 2982Z0001  
 D 3800 WL-1 MkII 2982Z0002

C 5900 WL-1 MkII 2982Z0003  
 C 900 WL-1 2982Z0012



| Description        | Item | Part nbr.<br>Bestell-Nr. | D880<br>WL-1II | D3700<br>WL-1II | D3800<br>WL-1II | C5900<br>WL-1II | C900<br>WL-1II |  | Bezeichnung          |
|--------------------|------|--------------------------|----------------|-----------------|-----------------|-----------------|----------------|--|----------------------|
| Capsule            | 1    | 2610Z00270               | -              | 1               | -               | -               | -              |  | Kapsel               |
| Capsule            | 1    | 2610Z00280               | -              | -               | 1               | -               | -              |  | Kapsel               |
| Capsule            | 1    | 2610Z00300               | 1              | -               | -               | -               | -              |  | Kapsel               |
| Capsule CE33/14    | 1    | 2230Z00140               | -              | -               | -               | 1               | -              |  | Kapsel CE33/14       |
| Capsule            | 1    | 2230Z00130               | -              | -               | -               | -               | 1              |  | Kapsel               |
| Ring, gilded       | 2    | 2896Z03010               | -              | -               | -               | -               | 1              |  | Ring, vergoldet      |
| Capsule suspension | 3    | 2705Z28010               | -              | -               | -               | 1               | -              |  | Kapsellagerung       |
| Capsule suspension | 3    | 2610Z14020               | -              | -               | -               | -               | 1              |  | Kapsellagerung       |
| Grid cap           | 4    | 2982M13010               | -              | 1               | 1               | -               | -              |  | Kappe                |
| Grid cap           | 4    | 2982M13020               | -              | -               | -               | 1               | -              |  | Kappe                |
| Grid cap           | 4    | 2896M11010               | 1              | -               | -               | -               | 1              |  | Kappe                |
| Foam insert        | 4.1  | 70302350                 | -              | 1               | 1               | -               | -              |  | Schaumeinlage        |
| Foam insert        | 4.1  | 70302610                 | -              | -               | -               | 1               | -              |  | Schaumeinlage        |
| Foam insert        | 4.1  | 70302090                 | 1              | -               | -               | -               | 1              |  | Schaumeinlage        |
| Foam insert, lower | 5    | 2705Z31010               | -              | -               | -               | 1               | -              |  | Schaumeinlage, unten |
| Foam disk          | 6    | 2982Z18010               | -              | -               | -               | 1               | -              |  | Schaumscheibe        |

Apart from the mentioned items, no spare parts are available for these products  
 Außer den hier angeführten Teilen sind keine weiteren Ersatzteile für diese Produkte verfügbar

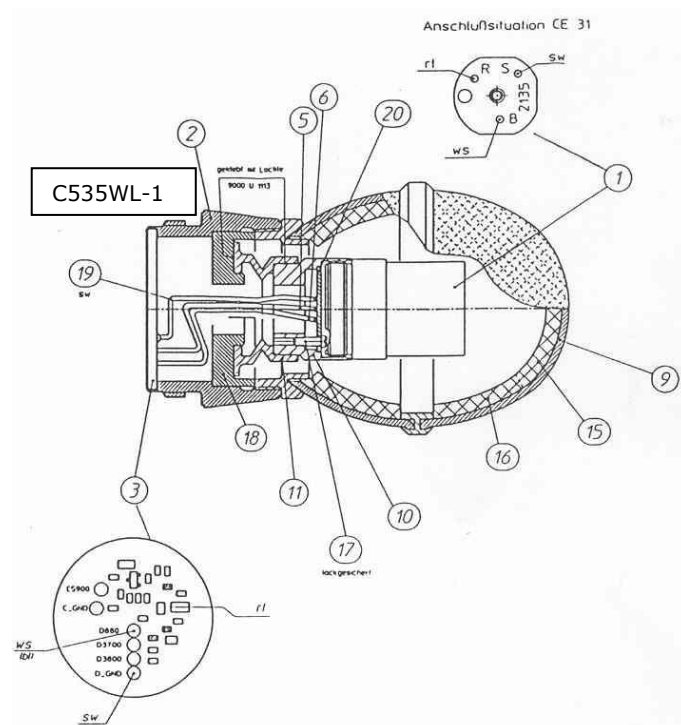
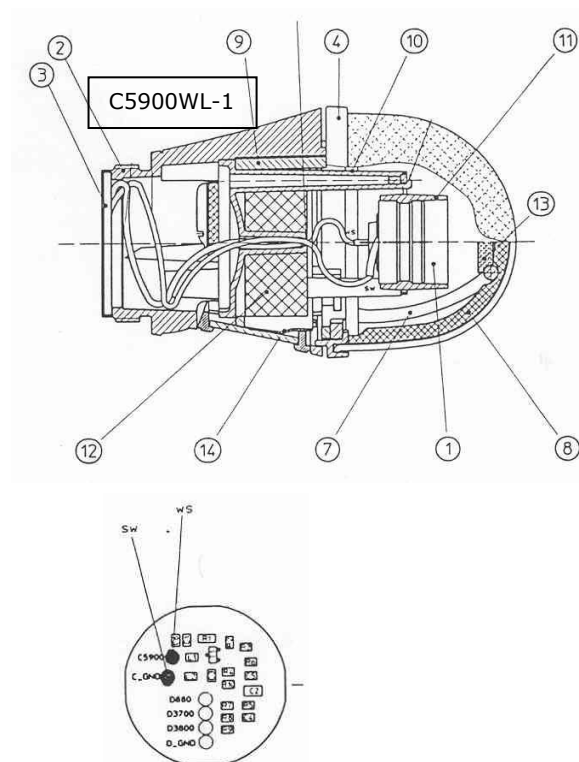
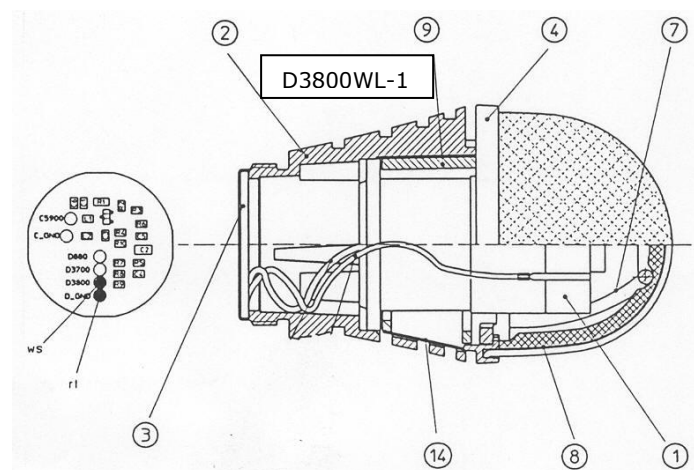
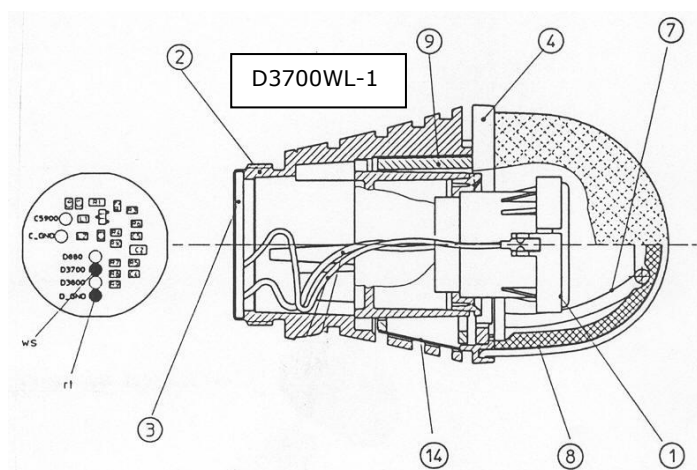
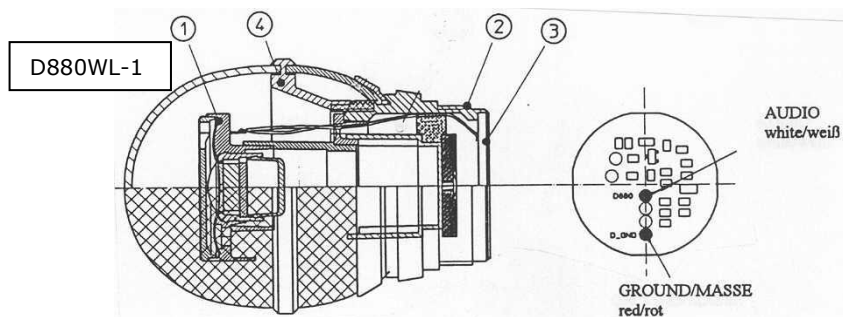
## Former Versions / Frühere Versionen

D 880 WL-1  
D 3700 WL-1  
D 3800 WL-1

2782Z0011  
2782Z0012  
2782Z0013

C 5900 WL-1  
C 535 WL-1

2782Z0014  
2782Z0015



**Parts list / Stückliste**

| <i>Description</i>             | <i>Item</i> | <i>Part nbr.<br/>Bestell-Nr.</i> | <i>D880<br/>WL-1</i> | <i>D3700<br/>WL-1</i> | <i>D3800<br/>WL-1</i> | <i>C5900<br/>WL-1</i> | <i>C535<br/>WL-1</i> | <i>Bezeichnung</i> |
|--------------------------------|-------------|----------------------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|--------------------|
| Capsule                        | 1           | 2610Z00140                       | 1                    | -                     | -                     | -                     | -                    | Kapsel             |
| Capsule DKC24                  | 1           | 2127Z00320                       | -                    | 1                     | -                     | -                     | -                    | Kapsel DKC24       |
| Capsule DKC24                  | 1           | 2224Z00040                       | -                    | -                     | 1                     | -                     | -                    | Kapsel DKC24       |
| Capsule CE33/8                 | 1           | 2230Z00080                       | -                    | -                     | -                     | 1                     | -                    | Kapsel CE33/8      |
| Capsule CE31                   | 1           | 2003Z00100                       | -                    | -                     | -                     | -                     | 1                    | Kapsel CE31        |
| Top grill                      | 4           | 9999N05840                       | 1                    | -                     | -                     | -                     | -                    | Gitterkappe        |
| Top grill                      | 4           | 2505M01010                       | -                    | 1                     | 1                     | 1                     | -                    | Gitterkappe        |
| Top grill                      | 4           | 2588M02020                       | -                    | -                     | -                     | -                     | 1                    | Gitterkappe        |
| Support basket                 | 7           | 2505Z05010                       | -                    | 1                     | 1                     | 1                     | -                    | Stützkorb          |
| Foam insert                    | 8           | 2505Z18010                       | -                    | 1                     | 1                     | -                     | -                    | Popschutz          |
| Foam insert                    | 8           | 2505Z18020                       | -                    | -                     | -                     | 1                     | -                    | Popschutz          |
| Basket                         | 9           | 2505Z03010                       | -                    | 1                     | 1                     | 1                     | -                    | Korb               |
| Capsule suspension*            | 11          | 2516Z04010                       | -                    | -                     | -                     | 1                     | -                    | Kapsellagerung*    |
| Foam insert                    | 12          | 2516Z06010                       | -                    | -                     | -                     | 1                     | -                    | Schaumeinlage      |
| Stopper                        | 13          | 2516Z15010                       | -                    | -                     | -                     | 1                     | -                    | Stoppel            |
| Protective cover               | 14          | 2505Z16010                       | -                    | 1                     | 1                     | 1                     | -                    | Sichtschutz        |
| Foam insert                    | 15          | 2135Z08010                       | -                    | -                     | -                     | -                     | 1                    | Schaumeinlage      |
| Foam insert                    | 16          | 2135Z09010                       | -                    | -                     | -                     | -                     | 1                    | Schaumeinlage      |
| Capsule board<br>New number -> | 20          | 2135M01050<br>3135M28020         | -                    | -                     | -                     | -                     | 1                    | Kapselprint        |

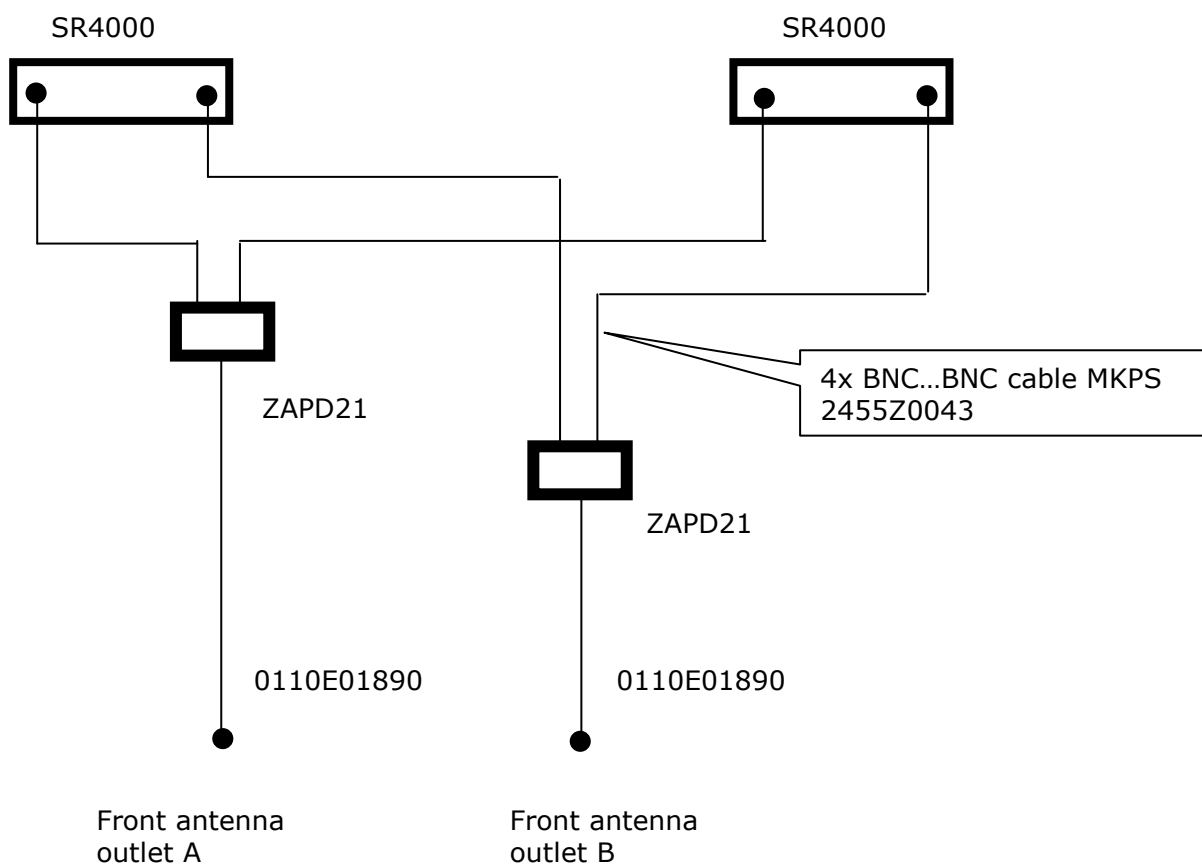
\*Teil wird abverkauft und ersetzt durch 2705Z28010

\*Part will be sold out and replaced with 2705Z28010

**Apart from the mentioned items, no spare parts are available for these products**  
**Außer den hier angeführten Teilen sind keine weiteren Ersatzteile für diese Produkte verfügbar**

Connection diagram for two receivers  
SR 4000 and front antenna sockets

Blockschaltbild für zwei SR4000 mit  
Frontantennen



Splitters ZAPD21 and antenna front cables 0110E01890 are available from AKG Service  
ZAPD21 und 0110E01890 sind über AKG Service erhältlich