# BM12 service manual

**DYNAUDIO**

| Version | Changed: | Approved by: | |
|---------|----------|--------------|--------------|
| | | Service manager | Project manager |
| A | First version of document | DVQ | |
| | | | |

**Replaceable parts:**
- Tweeter
- Woofer
- Electronics module
- Diodes

**Tweeter replacement:**
1. Unmount 6pcs screws
2. Lift woofer out of cabinet
3. Unmount 3pcs screws
4. Lift tweeter out of cabinet recess
5. Remove cables from tweeter
6. Remove gasket from tweeter recess

7. Put new gasket into cabinet recess
8. Mount cables on the new tweeter connectors
9. Put tweeter back in cabinet recess
10. Make sure that orientation is correct. Litze wires must be horizontal oriented
11. Remount 3pcs screws carefully
12. Put woofer into cabinet hole
13. Carefully remount 6pcs screws
14. Hi-pot testing. 2.5kV.
15. Function testing

> NOTE: black is – and blue is +

**Woofer replacement:**
1. Unmount 6pcs screws
2. Lift woofer out of cabinet
3. Remove cables from woofer
4. Remove gasket from woofer hole

5. Put new gasket around cabinet hole
6. Mount cables on the new woofer connectors
7. Put woofer into cabinet hole
8. Carefully remount 6pcs screws
9. Hi-pot testing. 2.5kV.
10. Function testing

> NOTE: black is – and red is +
> On driver + is the side where the label item# label is positioned

**Electronics replacement**
1. Remove power from electronics
2. Unmount 10 pcs screws on the amplifier
3. Remove electronics carefully from the cabinet
4. Unmount speaker and diode wires

5. Mount speaker and diode wires on the new electronics
6. Carefully insert electronics into cabinet
7. Carefully Remount 10pcs screws
8. Hi-pot testing. 2.5kV
9. Function testing

> NOTE: blue/black wire is tweeter and red/black is woofer.
> Woofer cable is attached closest to the rearpanel. Tweeter and woofer connector are marked on the circuit board.

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**Replacing Diodes on the front**

1. Remove amplifier from the loudspeaker[1] (**Electronics replacement**)
2. Remove damping material
3. Unscrew the 2 screws on the diode-pcb
4. Remove cable on the diodes-pcb
5. Replace diode-pcb
6. Remount cable on diode-pcb
7. Remount screws
8. Put back damping material
9. Mount amplifier[1] (**Electronics replacement**)