

802 Service III part number 200412

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WARRANTY: 5 year limited warranty

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SPECIFICATIONS

External dimensions:	
Single speaker:	13.5" H x 20.5" W x 13.0" D (34.3 x 52.1 x 33.0)cm
Packed system:	14.4" H x 21.8" W x 18.3" D (36.6 x 55.4 x 46.4)cm
Weight:	
Single speaker:	29.3 lbs (13.29 kg)
Packed system:	32 lbs (14.5 kg)
Transducer:	
Eight 4.5" environmental drivers per enclosure	
Internal cabinet volume:	
3,020.7 cu. in. (49.5 liters)	
Port:	
Type:	Two round ports located central to each four speaker pattern.
Total port area:	6.0 sq. in. (38.9 sq. cm)
Port length:	7.5" (19.0 cm)
Resonance frequency:	50 Hz
Impedance:	
8 ± 2 Ohm	
Power handling:	
240W continuous per IEC-268-5	
Sensitivity:	
91 dB SPL, 1W, 1m	

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Note To distinguish between normal suspension noise and rubs or ticks, slightly displace the cone of the driver with your fingers. If the noise can be made to go away or get worse, it is a rub or tick and the driver should be replaced. If the noise stays the same, it is normal suspension noise and the driver is fine. Amplifier 4.1 Apply a 15 Vrms, 65 Hz signal to the speaker input connector. 4.2 Listen for air leaks around the drivers and cabinet seam. Reposition or replace any gasket found to leak. Repairs made to the cabinet seam should not be visible from the exterior of the speaker. If the voltage is out of range, check the crossover components and wiring. Frequency 8 kHz 12 kHz Min 104 mVrms 77 mVrms 5.4 Sweep the signal generator from 500 Hz to 5 kHz. 5.5 Listen for buzzes, rattles or other noises. Redress any wire that buzzes; replace any driver that is found to be defective. Note A whooshing noise from the port at its resonance frequency of 50 Hz is acceptable. We are a nonprofit group that run this website to share documents. We need your help to maintain this website. The average sound The average sound Using a controller or EQ card also allows for cross over of the 802 Series III loud speaker with a Bose bass loud speaker. Pull off the trim ring leaving the four clips 17 in place on the cabinet. 1.2 Remove the four screws 10 securing the grille 6 to the cabinet. Remove wires as needed. Shading network PCB located inside front wall Clips stay in cabinet 4 8 Top of speaker 3 7 2 6 1 5 Secures trim ring Driver location 6. Shading Network PCB Replacement 2. Grille Replacement 2.1 Line up the grille 6 with the cabinet and

secure it with four screws 10. 2.2 Line up the trim ring 8 with the cabinet. Press the trim ring into the four clips 17 located in the corners of the cabinet. 2.3 Replace the four screws 16 securing the trim ring to the cabinet. 3. Driver Removal 3.1 Perform procedure 1. 3.2 Remove the three screws 10 securing the driver 1 to the cabinet.<http://agse.stlo.free.fr/fichiers/computers-for-beginners-manual.xml>

Place an appropriate size wood block between the Speakon connector rear of speaker and a hard surface. Using a flatblade screwdriver or similar tool and a hammer, secure the tinnerman clip into place. Phase Test 1.1 Observing polarity, apply 9 VDC to the input connector. Refer to the figure below. 1.2 All driver cones should move outward. Referring to figure 1, rewire any driver that moves inward. 3. Rub and Tick Test 3.1 Apply a 10 Vrms, 10 Hz signal to the speaker input connector. 3.2 No extraneous noises such as rubbing, scraping or ticking should be heard. Note To distinguish between normal suspension noise and rubs or ticks, slightly displace the cone of the driver with your fingers. If the noise can be made to go away or get worse, it is a rub or tick and the driver should be replaced. If the noise stays the same, it is normal suspension noise and the driver is fine. Suspension noises will not be heard with program material. 4. Air Leak Test 4.1 Apply a 15 Vrms, 65 Hz signal to the speaker input connector. 4.2 Listen for air leaks around the drivers and cabinet seam. Reposition or replace any gasket found to leak. If the voltage is out of range, check the crossover components and wiring. 5.1 Apply a 10 Vrms, 10 Hz signal to the speaker input connector. 5.2 Sweep the signal generator from 10 Hz to 500 Hz. 5.3 Apply a 500 Hz, 5 Vrms signal to the speaker input connector. 5.4 Sweep the signal generator from 500 Hz to 5 kHz. 5.5 Listen for buzzes, rattles or other noises. Redress any wire that buzzes; replace any driver that is found to be defective. Note A whooshing noise from the port at its resonance frequency of 50 Hz is acceptable. Connection to a Bose link amplifier. A sample setup might involve one B1500 power amplifier driving two channels of BOSE 802 III loudspeakers in stereo mode Description revision textile Bose 802 Luidspreker reparatie before revision the whole description good trough. Photos may differ from Bose 802.

BOSE 402II PANARAY For both permanent and portable use. BOSE 802IIIPANARAY A full range. Consumer Electronics, If you follow any of those links and end up acquiring a manual, it will not be from us. Here is why we may deserve your business. We love our Vintage Audio and other builttolast electronics equipment in an age of disposable products for a throwaway society. We might sell the kids before our classic silver Pioneer or Vintage Marantz, Kenwood and Sansui gear. If you also value High Quality Manuals that enhance the ownership satisfaction of your vintage audio treasures, you found the right place. continued below. It IS Our Guiding Principle Add Site to your Favorites Other sites we host Phase Linear History Vintage Technics Database We sponsor two free Yahoo Audio Groups We are meticulous and give genuine best efforts to produce clean, wellconstructed manuals for you. A sidebyside comparison of our reproduction manuals with those from many other vendors will usually reveal an overall better appearance, construction, and print quality. Sometimes strikingly so. Our Customer Comments page is a fraction of what we receive from real customers and electronics technicians. The vast majority of our printed reproduction manuals are Very Good to Excellent on our Guaranteed Quality Ratings scale. But every single item is not and we refuse to give a false impression that they are. We want you to see a detailed description and individuallyassigned quality rating before you purchase. This timeconsuming extra service is almost never provided by our competitors. Customer complaints are nearly zero, perhaps one per 5001000 sales. We believe that virtually none of our competitors could truthfully make a similar claim. We are a USA based family business operating oldschool style. That means real people trying to serve you as if we were a walkin store in your local neighborhood. We always combine shipping on multipleitem orders and do not rip you off on shipping charges.

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<http://homebackpackers.com/images/canyon-cn-9iea-e-manual.pdf>

We enhanced our flagship professional speaker to deliver high output performances for medium size clubs, large indoor venues and outdoor spaces. The 802 Series III speaker uses eight proprietary full range drivers to provide a more consistent sound field than conventional speakers that rely on woofers, tweeters and crossovers. Our proprietary speaker configuration uses a baffle array for each driver to provide wide horizontal and vertical dispersion over all bandwidths. The Bose PANARAY system digital controller utilizes digital signal processing DSP architecture to provide smooth,

accurate spectral response for any Bose professional loudspeaker product requiring active equalization EQ or additional processing. Any Bose professional loudspeaker EQ can be accessed by simply selecting the appropriate preset and configuration. No programming is required. The controller has two balanced XLR analog inputs and four balanced XLR outputs. It can be configured to run two mono Bose EQ presets or a single stereo Bose EQ preset including preset crossover settings. Amazon calculates a product's star ratings using a machine learned model instead of a raw data average. The machine learned model takes into account factors including the age of a review, helpfulness votes by customers and whether the reviews are from verified purchases. Click here for more information on the types of cookies we use and how to change your cookie settings. The enclosure has been updated to eliminate the front cover and add two M8 threaded inserts on each side to accept a new optional accessory Ubracket. Additionally the recommended EQ has been updated to optimize performance for wall and ceiling mounted installed applications. Additional, generic parametric EQ values are available to use with nonBose amplifiers and DSP. Bose fullrange drivers are among the most reliable transducers in the industry, with 99.9% still operating 5 years after the original installation.

The 802 Series IV EQ is optimized for installations near an acoustic boundary, such as walls or ceilings. The 802 Series III EQ can be used with the 802 Series IV loudspeaker for freespace acoustic conditions with a slight reduction in maximum sound level. Warranty details for specific product lines can be found in the Limited Warranty or by contacting your local Bose representative. How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. And, in anticipation of what I will find inside them. Anyone know a good supplier of Bose recones in the UK. Probably dont have to be Bose specifically, I can cope with copies. Thanks, Peter How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. And, in anticipation of what I will find inside them. Anyone know a good supplier of Bose recones in the UK. Probably dont have to be Bose specifically, I can cope with copies. Thanks, Peter The website spec sheet states that the baffle on which the speakers are mounted is removable. This will be the only way into the boxes. You have to pull off the grills to gain access, and once thats done youll have to experiment to figure out how to get the baffle off. This will be the only way into the boxes. You have to pull off the grills to gain access, and once thats done youll have to experiment to figure out how to get the baffle off. Probably dont have to be Bose specifically, I can cope with copies.

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Thanks, Peter Wembley Loudspeakers will recone them for you RonUK Lune Valley Audio Public address systems Hire Sales Repairs Probably dont have to be Bose specifically, I can cope with copies. Thanks, Peter Wembley Loudspeakers will recone them for you Lol. How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. And, in anticipation of what I will find inside them. Anyone know a good supplier of Bose recones in the UK. Probably dont have to be Bose specifically, I can cope with copies. Thanks, Peter Oh lucky you. We were unfortunate enough to inherit some that have actually got mould growing inside them as they are such a nightmare to get into. You have to unscrew the 2 plastic rings on the front, then the section they are mounted on will come off, and you can unclip the grille. Then the only way of getting inside proper is to remove all the drivers or the appropriate ones to reach the bits you want. Everything else is solid plastic and

you cannot get in from the back. As for suppliers, you could try Stage Electrics www.stageelectrics.co.uk. Have fun! Regards, Shaz. How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. You need a specialist tool which isnt too hard to find. You probably wont be able to put them back together afterwards but thats not altogether a bad thing; Phildo How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them.

The answer is going to be something really simple and I will feel daft but please will someone tell me. You need a specialist tool which isnt too hard to find. You probably wont be able to put them back together afterwards but thats not altogether a bad thing; Chuckle. Post by Phildo at sea Phildo Oh dear. Cheers, Graham The drivers are .45 ohms, so if any are bad just replace them from Bose. Post by Pete Hello All, Weve just been just been ermm lucky enough to end up with a pile of Bose 802s, in varying states of repair, most are faulty. How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. And, in anticipation of what I will find inside them. Anyone know a good supplier of Bose recones in the UK. Probably dont have to be Bose specifically, I can cope with copies. Thanks, Peter How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. And, in anticipation of what I will find inside them. Anyone know a good supplier of Bose recones in the UK. Probably dont have to be Bose specifically, I can cope with copies. Thanks, Peter How on earth does one get inside them. Is there a secret magic switch that just makes them unfold. Whats the secret, because Im pretty sure I cant work out how to get into them. The answer is going to be something really simple and I will feel daft but please will someone tell me. Unscrew the large plastic rings around the ports, pull front cover off, test each speaker listen and tap them to make sure theyre tracking right, take out all problem speakers and replace with working ones from other speakers.

If no speakers work, check fuse, lamp probably a light bulb for a car tail light or something, buy from automotive shop instead of speaker shop, and the obvious connectors and wiring. Sell the working ones, ditch the incomplete or dead ones. No sense spending a dime to recone. Or does the lamp serve some other purpose. Its the same acoustical coupling principal that Bose pursues with the 402. Sort of like flipping a 402 on its side. This is why I cringe when I see a 402 mounted horizontally. Ive done it myself, but I had specific design reasons for so doing. Do you concur with my explanation . Phil My studies in audio circuitry came to an abrupt halt after about 17 or 18 chapters of the course when I realized that if I wasnt going to work with it all the time, I wasnt going to remember a lot of it. I was right I dont remember a lot of it anymore. I am starting to lose faith in Dave as a Bose preacher. I have a pair here in stock that I traded in a long time ago. I know more than I need to and I make very few mistakes. I have a pair here in stock that I traded in a long time ago. Possibly the local Bose importer did not bring any into Australia. I know more than I need to and I make very few mistakes. The other two center drivers get midhighs and the outside four carry the bulk of the low frequencies. According to him, you can see this outlined in the service manual and verify whether or not the device you are working on is factory spec or somehow modified by a well meaning but misguided individual. I know this happens from time to time when service shops make alterations when replacing drivers. According to him, you can see this outlined in the service manual and verify whether or not the device you are working on is factory spec or somehow modified by a well meaning but misguided individual. It shows the 10uF cap plus lamp wired from ground XLR pin 1 to the mid point of the series driver string.

This puts it in parallel with drivers numbered 5,6,7,and 8 ie the top row as shown in the same manual. The output from these drivers is attenuated by the cap as I explained. Want me to post the diagram on ABSE . Phil This puts it in parallel with drivers numbered 5,6,7,and 8 ie the top row as shown in the same manual. The output from these drivers is attenuated by the cap as I explained. Your information is apparently not current with product manufactured for the past two decades.It shows the 10uF cap plus lamp wired from ground XLR pin 1 to the mid point of the series driver string. This puts it in parallel with drivers numbered 5,6,7,and 8 ie the top row as shown in the same manual. The output from these drivers is attenuated by the cap as I explained. Your information is apparently not current with product manufactured for the past two decades. Them's the ones I get to see and need fixing.. Phil I have got an original 802 set sitting here with the Oak shells around them. They just slide into the shell. Too bad the 16 foam rotted drivers wont slide in as easy. Someday Ill refoam them.Someday Ill refoam them.Too bad the 16 foam rotted drivers wont slide in as easy. Someday Ill refoam them. I believe AL Gore invented rotted foam along with the internet. Got to give you credit Dave, your the first here in a long time to have a civil exchange With Uncle Phil. Once you have, call him what you like, youre a mile away and youve got his shoes!I havent bothered showing all the connectors, they are just wired in parallel. Drivers are located as viewed from the front of the cab. Basically the drivers are wired in series with capacitors wired across groups of drivers. If either capacitor is not functioning the topend response is affected.

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