



File Name: bose freespace 32se manual.pdf

Size: 2053 KB

Type: PDF, ePub, eBook

Category: Book

Uploaded: 22 May 2019, 15:25 PM

Rating: 4.6/5 from 773 votes.

Status: AVAILABLE

Last checked: 14 Minutes ago!

In order to read or download bose freespace 32se manual ebook, you need to create a FREE account.

[**Download Now!**](#)

eBook includes PDF, ePub and Kindle version

[Register a free 1 month Trial Account.](#)

[Download as many books as you like \(Personal use\)](#)

[Cancel the membership at any time if not satisfied.](#)

[Join Over 80000 Happy Readers](#)

Book Descriptions:

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with bose freespace 32se manual . To get started finding bose freespace 32se manual , you are right to find our website which has a comprehensive collection of manuals listed.

Our library is the biggest of these that have literally hundreds of thousands of different products represented.



Book Descriptions:

bose freespace 32se manual

Dress the wires carefully to prevent the cover from pinching them. If you elect to return the product directly to a Bose organization, Contact the Bose organization in your country for specific return and shipping instructions. All Rights Reserved. All trademarked names, logos, and brands are property of their respective owners. All company, product and service names used in this website are for identification purposes only. Their use does not imply endorsement by any brand unless expressly stated. Includes schematics, technical information, test procedures, parts lists and much more. Has been stored in a nonsmoking environment and in exceptionally clean condition. Super high amount of views. 0 sold, 1 available. More Super high amount of views. 0 sold, 1 available. You are the light of the world. Installer's Guide This includes installations near or above radiators, ranges, grills, fryers, stoves, or other appliances. 1.5 Always route cables so heavy or sharp objects cannot pinch or cut them. 1.6 Check local codes for use of safety cables. For lower output volume, change that setting to 16W, 8W, 4W, 2W or 1W. To do that, remove the spade connector from the 32W spade and reinsert it into the preferred spade. 8W 4W 32W 2W 16W 1W 3 4 ENVIRONMENTAL SPEAKER REFER TO YOUR INSTRUCTION MANUAL FOR PROPER INSTALLATION AND OPERATING PROCEDURES. 4 OHM PASSIVE POWER RATING 40W IEC 2000 BOSE CORPORATION SUITABLE FOR USE OUTDOORS AND IN WET LOCATIONS SER. NO BP U.S. PAT. NOS. 4,158,756 4,061,890 RE.31.31,679 BOSE CORPORATION FRAMINGHAM, MA U.S.A. MADE IN IRELAND REV. 00 Installation 2.2 Connecting the wires This process varies according to the version of loudspeaker you are using To the 4 ohm version Caution Install the 4 ohm Model 32SE loudspeaker in compliance with local building and electrical codes. In the U.S., this version is designed for installation using Class 2 wiring methods in accordance with Articles 640 and 725 of NFPA 70, National Electrical Code. <http://cyi0571.com/cyjxfiles/combi-24-he-manual.xml>

- **bose freespace 32se manual, bose free space 32se manual download, bose free space 32se manual pdf, bose free space 32se manual free, bose free space 32se manual online.**

Guidelines for Class 2 wiring methods are usually appropriate for nonhazardous live circuits and wiring methods in many other countries. Guidelines for Class 2 wiring methods are usually appropriate for nonhazardous live circuits and wiring methods in many other countries. The guidelines for Class 1 and 3 wiring methods are appropriate for hazardous live circuits in those same countries. Dress the wires carefully to prevent the cover from pinching them. Or, if local codes allow it, route both wires through one fitting. 5 6 Installation 2.3 Mounting the bracket Choose a position and mounting method consistent with local building codes and regulations. Use two screws per bracket. For how long Five years from the purchase date. What we will do We will, at our sole option, repair or replace any defective parts free of charge. What we will not do Pay shipping or transportation charges from you to us. What you must do 1. Return product personally with proof of purchase from an authorized Bose dealer to your authorized Bose dealer, or 2. Return product personally with proof of purchase from an authorized Bose dealer to the nearest Bose Service Agency, or 3. Return product personally with proof of purchase from an authorized Bose dealer directly to the Bose organization in your country. If you elect to return the product directly to a Bose organization, a Contact the Bose organization in your country for specific return and shipping instructions; b Properly pack the product in the original carton for shipping. If you need a new carton, contact the Bose organization in your country for a new carton available at a nominal charge; c Label and ship, freight prepaid, to the address provided by the Bose organization in your country,

and d Place any necessary return authorization number prominently on the outside of the carton. Cartons not bearing a return authorization number, where required, will be refused. http://www.mykoreabus.ru/pic/file/combi_aspes_ideal_manual.xml

Other conditions This warranty is fully transferable provided that the current owner furnishes the original proof of purchase from an authorized Bose dealer. The provisions of this warranty are in lieu of any other written warranty, whether express or implied, written or oral, including any warranty of merchantability or fitness for a particular purpose. Bose's maximum liability shall not exceed the actual purchase price paid by you for the product. In no event shall Bose be liable for special, incidental, consequential or indirect damages. This warranty does not cover a defect that has resulted from improper or unreasonable use or maintenance, accident, improper packing, or unauthorized tampering, alteration or modification as determined solely by us. This warranty is void if the label bearing the serial number has been removed or defaced. Other law rights This warranty gives you specific legal rights, and you may also have other rights which vary from country to country or state to state. Some places do not allow limitations on implied warranties or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Please keep this warranty information for your personal records. Bose Corporation thanks you for your recent Bose product purchase. For your benefit, we recommend that you record your serial numbers, found on the products, and other purchase information below and keep it with your personal records along with proof of purchase. If necessary, this information will allow us to 8 9 9 10 2000 Bose Corporation The Mountain Framingham, MA USA User Manual This operating manual will provide a guide to installation and operation of the product. Please read thoroughly Quick Start Guide. Model BTS201 However, as the product User's Manual Rogue Audio, Inc. 3 Marian Lane Brodheadsville, PA 18322. USER MANUAL.

Rack Adapter Models RK1T2PT RK2T1PT RK3T RK6T RK9T RK3TR RK4PT RKT2B RKT2SB USER MANUAL Rack Adapter Models RK1T2PT RK2T1PT RK3T RK6T RK9T RK3TR RK4PT RKT2B RKT2SB Contents Contents 1 Introduction 1 2 Getting Started 1 3 Overview 2 4 Your Kramer Fuze brushless motors are high torque motors designed for direct drive applications. USER MANUAL Models VP200N, 12 High Resolution XGA DA VP300N, 13 High Resolution XGA DA VP400N, 14 High Resolution XGA DA Contents Contents 1 Introduction 1 2 Getting Started USER MANUAL Models VP200N, 12 High Resolution XGA DA VP300N, 13 High Resolution XGA DA VP400N, 14 High Resolution XGA DA Contents Contents 1 Introduction 1 2 Getting Started User's Manual Digital Remote Meter for Monitoring System Performance. Version RM1 Digital Remote Meter for Monitoring System Performance. Version RM1 1098 Washington Crossing Road Washington Crossing, PA 18977 USA www.morningstarcorp.com User's Manual PLEASE CALL 562 8023488 This Notify the carrier and dealer if there is damage. Two bezels Tie brackets used to secure multiple Stair is NOT to be installed while home is under Missing Parts 4 Installation Wall mount 69 Installation Eave mount Failure to do so can result in serious injury. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information Key Features. Technical Specifications Except as permitted under the United States Copyright Act of 1976, no part of this document may be reproduced or distributed without permission All specifications Unpacking Instructions Immediately User's Manual Notice Every effort was made to ensure that the information in this guide was complete and accurate at the time of All rights reserved This handbook contains proprietary information of Hamlet Video International The SRMD is a digital panel meter with a bright 1 LED display for Please read through these instructions before installation.

Rear AntiSway Bar Kit for Dodge Ram PickUp NOTE Carefully read entire instructions thoroughly before attempting to install this part. Parts Included Qty Parts Included Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this Key Features. Technical Specifications MS900XACBLS systems equipped with MX900 Micro Transceiver will Send and

Receive. The model Thermal Imaging Camera Enclosure. Shop online at omega.com SM Please read this entire manual before installation and use of this product. For Installers Please give this Installation Manual Congratulations! Contents Congratulations on your purchase of a Next Advance Pressure Injection Cell. Please read this operator s manual which explains proper This revolutionary loudspeaker USER MANUAL english version Before putting the device into operation, Owner s Guide Operation Manual User and Installation Guide BlueFIDELITY™ Bluetooth Audio Amplifier Model 300 Contents CAUTIONS Solar electric modules produce DC electricity This User Agreement the Agreement is a legal agreement between you You , and Corsair Memory, Inc. Corsair . Users Manual Model 407780. Introduction To use this website, you must agree to our Privacy Policy, including cookie policy. The Bose FreeSpace DS family is a line of highquality loudspeakers engineered to provide three distinct levels of audio performance for a wide range of background and foreground music applications. These versatile surfacemount and flushmount loudspeakers easily integrate into sound systems—indoors and outside—with flexible mounting hardware and optional installation accessories. Complete entire projects with a single family of Bose loudspeakers that deliver consistent highfidelity sound, installation methods and contemporary styling. What are the available tap settings.

The FreeSpace DS 40SE is a highfidelity loudspeaker that delivers background and foreground music with fullness, notable presence and detail, as well as clear, naturalsounding speech reproduction. This 40watt loudspeaker is designed to be surface mounted at heights up to 26 feet 8 m. It meets numerous standards for combination music and evacuation systems around the world. Why did Bose make the FreeSpace DS 40SE loudspeaker. The product goal was to make a loudspeaker that meets the requirements of background and foreground music, and paging applications. This one provides the audio performance, installation flexibility and contemporary styling needed for a wide range of business music installations. The FreeSpace DS 40SE surfacemount loudspeaker was also created to be the counterpart to the FreeSpace DS 40F flushmount loudspeaker. How does the DS 40SE loudspeaker fit into the FreeSpace DS loudspeaker family. The FreeSpace DS family offers loudspeaker models that provide three distinct levels of audio performance appropriate for different business music system applications DS 16 Background music, paging DS 40 Background and foreground music, paging DS 100 Foreground music, paging Detailed information about the FreeSpace DS loudspeaker family can be found on page one of the FreeSpace DS loudspeaker family comparison guide. Is the FreeSpace DS 40SE loudspeaker a replacement for another Bose loudspeaker Yes. The FreeSpace DS 40SE will replace the FreeSpace Model 32SE loudspeaker. The FreeSpace DS 40SE loudspeaker is similar to this loudspeaker in terms of performance, and is intended for the same applications. Why is the FreeSpace DS 40SE loudspeaker better than the FreeSpace Model 32SE loudspeaker. Like this classic product, the FreeSpace DS 40SE delivers even frequency response without any crossover abnormalities, and provides a high level of reliability.

The new FreeSpace DS 40SE driver features design improvements that allow for better sensitivity, higher power handling and greater acoustic output. These improvements allow the DS 40SE to play louder with less distortion. In addition, the DS 40SE does not require active equalization and is voiced to sound similar to the other DS loudspeakers DS 16, DS 100. Beyond performance improvements, the FreeSpace DS 40SE features several significant installation improvements and provides more overall flexibility. It features all the same installation methods as the FreeSpace DS 16S, DS 16SE and DS 100SE loudspeakers. It can be mounted to walls, junction boxes, ceilings and poles with optional accessories. In fact, the FreeSpace DS 40SE is compatible with all the same installation accessories as the FreeSpace DS 16S, DS 16SE and DS 100SE loudspeakers. The loudspeaker tap can be set from the front of the loudspeaker by simply turning a thumb wheel. No tools are required. For what types of applications is the FreeSpace DS 40SE loudspeaker designed. It is designed for use in background and foreground music, and speech reproduction sound systems

indoors and outdoors. It is intended for applications that require easy surfacemount installation. Engineered for mounting heights up to 26 feet 8 m, it is also designed for applications that require life safety compliance. For what types of venues is the FreeSpace DS 40SE loudspeaker well suited. Where can I install the FreeSpace DS 40SE loudspeaker. It is designed for surfacemounting indoors and outdoors, and is engineered for mounting heights up to 26 feet 8 m. Additionally, it provides flexible installation options for various applications. This loudspeaker is designed for mounting to vertical surfaces walls with a wallmount bracket. How do I install the FreeSpace DS 40SE loudspeaker. How do I pole mount the FreeSpace DS 40SE loudspeaker. The polemount kit accessory is required.

Once the polemount bracket is attached to the pole, connect the input wire to the wallmount bracket terminals and mate the wallmount bracket with the polemount bracket using the included hardware. Now secure the loudspeaker to the wallmount bracket. Raco 232, 8232, 235, 8235, 237 What comes in the box with the FreeSpace DS 40SE loudspeaker. The FreeSpace DS 40SE comes with a mounting bracket and an installation guide. What accessories are available for the FreeSpace DS 40SE loudspeaker. The FreeSpace DS 40SE uses all the FreeSpace DS 16S, DS 16SE and DS 100SE accessories. What are the connectors on the loudspeaker. The included mounting bracket features a threeterminal barrier strip. These connectors are designed to work with 18 AWG 0.8 mm to 14 AWG 2.0 mm size wire only. The loudspeaker has a prewired connector that snaps into the bracket base to complete the wiring. Optional accessories can provide a ceramic connector and a thermal fuse for use when required. How do I change the tap setting for the FreeSpace DS 40SE loudspeaker. Remove the loudspeaker end cap to expose the thumb wheel. Then, simply turn the rotary switch to the desired tap setting. No tools are required. Replace the end cap. What other loudspeakers can I use with the FreeSpace DS 40SE loudspeaker. The FreeSpace DS 40SE is designed to be used on the same loudspeaker line with the flushmount FreeSpace DS 40F loudspeaker. The FreeSpace DS 40SE also shares the same voicing, installation methods and contemporary styling as the other loudspeakers in the FreeSpace DS family DS 16, DS 100. These shared qualities allow different DS loudspeaker models to be used throughout a facility while maintaining a consistent sound quality and overall appearance. What colors are available for the FreeSpace DS 40SE loudspeaker. It is available in black or white, and can be painted. What are the construction features of the FreeSpace DS 40SE loudspeaker. It also features an outdoor weatherrated driver.

What is the driver compliment for the FreeSpace DS 40SE loudspeaker. The driver is outdoor weatherrated. What happens if I accidentally overdrive the loudspeaker. This product is equipped with a protection circuit that will slightly reduce the output to a lower level when the loudspeaker is overdriven. If the protection circuit is activated, reduce the input level. Does the FreeSpace DS40SE loudspeaker require active equalization No. It can be used without equalization. However, performance can be maximized by using the recommended Bose loudspeaker equalization resident in select Bose electronics, or by using other equipment with parametric equalization. A highpass filter at 70 Hz is required for general use if the recommended equalization is not used. What Bose electronics can provide the loudspeaker equalization Bose recommends for the FreeSpace DS 40SE loudspeaker. The loudspeaker equalization Bose recommends for all the FreeSpace DS loudspeakers can be provided by the following Bose electronics FreeSpace 4400 business music system FreeSpace DXA 2120 digital mixer amplifier ControlSpace systems engineered sound processors Panaray system digital controller II What is the warranty for the FreeSpace DS 40SE loudspeaker. Bose Professional Systems loudspeakers and electronics are designed to deliver years of superb performance in demanding applications. Detailed information about our product warranty is available on our website. What standards does the FreeSpace DS 40SE loudspeaker meet. Control Number 42S9 when installed with a ceilingmount bracket, or a wallmount bracket and junction box on wall or in wall. What we will do We will, at our sole option, repair or replace any defective parts free of charge. What we will not do Pay shipping or transportation charges from you to us. What you must

do 1. Return product personally with proof of purchase from an authorized Bose dealer to your authorized Bose dealer, or 2.

Return product personally with proof of purchase from an authorized Bose dealer to the nearest Bose Service Agency, or 3. Return product personally with proof of purchase from an authorized Bose dealer directly to the Bose organization in your country. If you elect to return the product directly to a Bose organization, a Contact the Bose organization in your country for specific return and shipping instructions; b Properly pack the product in the original carton for shipping. If you need a new carton, contact the Bose organization in your country for a new carton available at a nominal charge; c Label and ship, freight prepaid, to the address provided by the Bose organization in your country, and; d Place any necessary return authorization number prominently on the outside of the carton. Cartons not bearing a return authorization number, where required, will be refused. Other conditions This warranty is fully transferable provided that the current owner furnishes the original proof of purchase from an authorized Bose dealer. The provisions of this warranty are in lieu of any other written warranty, whether express or implied, written or oral, including any warranty of merchantability or fitness for a particular purpose. Bose's maximum liability shall not exceed the actual purchase price paid by you for the product. In no event shall Bose be liable for special, incidental, consequential or indirect damages. This warranty does not cover a defect that has resulted from improper or unreasonable use or maintenance, accident, improper packing, or unauthorized tampering, alteration or modification as determined solely by us. This warranty is void if the label bearing the serial number has been removed or defaced. Other law rights This warranty gives you specific legal rights, and you may also have other rights which vary from country to country or state to state.

Some places do not allow limitations on implied warranties or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Please keep this warranty information for your personal records. Bose Corporation thanks you for your recent Bose product purchase. For your benefit, we recommend that you record your serial numbers, found on the products, and other purchase information below and keep it with your personal records along with proof of purchase. If necessary, this information will allow us to better serve your needs. Model Name or Number Serial Numbers Date Purchased Dealer's Name Dealer's Address 13 14 2001 Bose Corporation The Mountain Framingham, MA USA AM Rev.00 JN20493 To use this website, you must agree to our Privacy Policy, including cookie policy. The seller has relisted this item or one like this. Learn more opens in a new window or tab This amount is subject to change until you make payment. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab Delivery times may vary, especially during peak periods. Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn more See the seller's listing for full details. Find out more about your rights as a buyer opens in a new window or tab and exceptions opens in a new window or tab. Contact the seller opens in a new window or tab and request a postage method to your location. Please enter a valid postcode. Please enter a number less than or equal to 0. All Rights Reserved.

User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. Full Range speaker with easy installation. YOUR BUSINESS NEED THE BOSE SOLUTION High output and lifelike, natural sound at different volumes These loudspeakers are engineered to meet the placement and performance demands of business settings. This fullrange driver delivers wide, even dispersion so music and paging can be heard more clearly throughout your building. Ability to

withstand permanent outdoor installation A weatherresistant driver and environmentally robust materials allow the Free Space 32SE loudspeaker to deliver exceptional performance in a wide range of weather conditions. Easy installation Quickmounting brackets allow you to mount the loudspeakers horizontally or vertically, increasing your placement options. The angle of the loudspeakers can also be adjusted to enhance sound coverage. Easytochange tap settings for 1, 2, 4, 8, 16 and 32 watts are built into each speaker to make installation faster and easier than with many other loudspeakers. Easy integration into your decor This clean, simple look and compact size allow these loudspeakers to blend with almost any decor. The speakers are available in black or white and can be painted to match your interior. System components that business owners can rely on These loudspeakers are engineered and tested for demanding business environments, indoors and outdoors, and are backed by a transferable fiveyear limited warranty. Something went wrong.Get the item you ordered or your money back.User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. This fullrange driver delivers wide, even dispersion so music and paging can be heard more clearly throughout the space. Quickmounting brackets allow for horizontal or vertical mounting, increasing placement options. The angle of the loudspeakers can also be adjusted to enhance sound coverage. Something went wrong.

Learn more opens in a new window or tab This amount is subject to change until you make payment. For additional information, see the Global Shipping Program terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Program terms and conditions opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab Learn more opens in a new window or tab Contact the seller opens in a new window or tab and request postage to your location. Please enter a valid postcode. Please enter a number less than or equal to 1. If you dont follow our item condition policy for returns, you may not receive a full refund. Refunds by law In Australia, consumers have a legal right to obtain a refund from a business if the goods purchased are faulty, not fit for purpose or dont match the sellers description. More information at returns. We will ship to USA only. If payment is received on Saturday or Sunday your item will be shipped out on Monday. All Rights Reserved. User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. 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 multiple item orders and do not rip you off on shipping charges. If interested, check out About Our Manuals and other site sections with the menu links at the top of all pages. If you would like for us to be here in the future, you can help by telling your friends and by sharing links to our site in your discussion groups, forums, blogs and web sites. We have been slowly updating these manuals lists over the years. As time allows we will replace the spare Factory ORIGINAL Manuals Catalog section with the same page format as these here in the reproduction manuals section. We also have more than 400 Gigabytes of various manuals, schematics, brochures, etc in mostly PDF format.

They number perhaps 400,000 files. Truth is that we may never get them listed on our site. But they are available. Click here for further PDF manuals information. If an item has a description and Price Code, then CLICK THAT PRICE PRECISELY identify the item you want with company brand. If you want multiple Whether your email is to order Tell us EXACTLY You may find Individually assigned Models covered Freespace 1B, Models covered Freespace 3, Overall quality is Very Good to Excellent. Overall quality is Very Good Overall quality is Very Good Overall quality is Very Good Normally folded and mailed in ordinary business Models covered Interaudio 2000, Part of Bose Interaudio Series. Manual Normally folded and mailed in ordinary Part of Bose Interaudio Series. Manual Normally folded and mailed in ordinary If an item has a description and Price Code, then CLICK THAT PRICE PRECISELY identify the item you want with company brand. If you want multiple Whether your email is to order Tell us EXACTLY You may find Individually assigned It makes a difference. Seekers of truth may Images may be used with. This 32watt loudspeaker combines compact size and elegant design with high fidelity sound and ease of installation. Even at low volume, music retains its deep bass, rich vocals and crisp highs. They are more reliable than conventional speakers whose small, separate tweeters often cannot handle the high power and extended use demands of professional applications. Products and names mentioned are the property of their respective owners. Privacy Policy This page is part of GeneralManual.Com Network Bose FreeSpace Model 32 Loudspeaker User Manual. RSS. It may not display this or other websites correctly. You should upgrade or use an alternative browser. Check out our 20th Anniversary Mugs, Classic Logo Shirts and much more. Discussion here. It does not mention any specs in the manual and google or may search terms is not bringing up any good information.