

VX-450 Series

VHF Band Service Manual

©2011 VERTEX STANDARD CO., LTD.

ECTION NOTE:

VERTEX STANDARD CO., LTD.
4-8-8 Nakameguro, Meguro-Ku, Tokyo 153-8644, Japan
VERTEX STANDARD
US Headquarters
10900 Walker Street, Cypress, CA 90630, U.S.A.
YAESU UK LTD.
Unit 12. Sun Valley Business Park, Winnalt Close
Winchester, Hampshire, S023 0LB, U.K.
VERTEX STANDARD HK LTD.
Unit 1306-1308, 13F, Millennium City 2, 378 Kwun Tong Road,
Kwun Tong, Kowloon, Hong Kong
VERTEX STANDARD (AUSTRALIA) PTY., LTD.
Tally Ho Business Park, 10 Wesley Court, East Burwood, VIC, 3151

Introduction

This manual provides the technical information necessary for servicing the VX-450 Series Transceiver.

Servicing this equipment requires expertise in handing surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ECs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the VX-450 Series Transceiver allows a complete alignment of this



16 key Type 4 key Type

Non-key Type

transceiver to be performed without opening the case of the radio; all adjustments can be performed from the front panel, using the "Alignment Mode" menu.

While we believe the information in this manual to be correct, VERTEX STANDARD assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Important Note

This transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

Contents -

Specifications2	Circuit Description15
Exploded View & Miscellaneous Parts4	Alignment18
16 key & 4 key Type4	Board Units (Schematics & Layouts)
Non-key Type5	MAIN Unit (16 key & 4 key Type)
Parts List6	MAIN Unit (Non-key Type) 41
Block Diagram7	Display Unit (16 key & 4 key Type) 47
16 key & 4 key Type7	
Non-key Type11	

Vertex Service Manual Fl76

Emilie Sanchez

Vertex Service Manual F176:

Decoding Vertex Service Manual Fl76: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Vertex Service Manual F176**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

https://movement.livewellcolorado.org/results/browse/HomePages/8%20anniversary%20edition%20harley%20davidson.pdf

Table of Contents Vertex Service Manual F176

- 1. Understanding the eBook Vertex Service Manual Fl76
 - The Rise of Digital Reading Vertex Service Manual F176
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Vertex Service Manual Fl76
 - Exploring Different Genres
 - o Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Vertex Service Manual Fl76
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Vertex Service Manual Fl76
 - Personalized Recommendations
 - Vertex Service Manual Fl76 User Reviews and Ratings
 - Vertex Service Manual Fl76 and Bestseller Lists

- 5. Accessing Vertex Service Manual Fl76 Free and Paid eBooks
 - Vertex Service Manual Fl76 Public Domain eBooks
 - Vertex Service Manual Fl76 eBook Subscription Services
 - Vertex Service Manual Fl76 Budget-Friendly Options
- 6. Navigating Vertex Service Manual Fl76 eBook Formats
 - ∘ ePub, PDF, MOBI, and More
 - Vertex Service Manual Fl76 Compatibility with Devices
 - Vertex Service Manual Fl76 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Vertex Service Manual Fl76
 - Highlighting and Note-Taking Vertex Service Manual Fl76
 - Interactive Elements Vertex Service Manual Fl76
- 8. Staying Engaged with Vertex Service Manual Fl76
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Vertex Service Manual Fl76
- 9. Balancing eBooks and Physical Books Vertex Service Manual Fl76
 - Benefits of a Digital Library
 - \circ Creating a Diverse Reading Collection Vertex Service Manual Fl76
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Vertex Service Manual F176
 - Setting Reading Goals Vertex Service Manual Fl76
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Vertex Service Manual Fl76
 - Fact-Checking eBook Content of Vertex Service Manual F176
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Vertex Service Manual F176 Introduction

Vertex Service Manual Fl76 Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Vertex Service Manual F176 Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Vertex Service Manual Fl76: This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Vertex Service Manual F176: Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Vertex Service Manual Fl76 Offers a diverse range of free eBooks across various genres. Vertex Service Manual Fl76 Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Vertex Service Manual F176 Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Vertex Service Manual Fl76, especially related to Vertex Service Manual Fl76, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Vertex Service Manual Fl76, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Vertex Service Manual F176 books or magazines might include. Look for these in online stores or libraries. Remember that while Vertex Service Manual F176, sharing copyrighted material without permission is not legal. Always ensure your either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Vertex Service Manual Fl76 eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Vertex Service Manual Fl76 full book, it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Vertex Service Manual F176 eBooks, including some popular titles.

FAQs About Vertex Service Manual F176 Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Vertex Service Manual F176 is one of the best book in our library for free trial. We provide copy of Vertex Service Manual F176 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Vertex Service Manual F176. Where to download Vertex Service Manual F176 online for free? Are you looking for Vertex Service Manual F176 PDF? This is definitely going to save you time and cash in something you should think about.

Find Vertex Service Manual Fl76:

2008 anniversary edition harley davidson

user manual tag heuer

naughty girl scavengar hunt

lg 500g monitor service manual

manual bombardier learjet 45

x264 service manual

earth science guided study workbook teachers addition

1994 audi 100 thrust bearing manua

federal housing subsidies how are they working

6 habits of highly effective bosses

2nd semester results taita taveta university college 2015

ballantine 1620a conductance amplifier owner manual

manual nintendo dsi xl portugues

ohio right to life voter guide xtreme 50 manual

Vertex Service Manual Fl76:

eradication and pest management pubmed - Aug 22 2022

web eradication is the elimination of every single individual of a species from an highlight limitati eradication and pest management annu rev entomol 1998 43 471 91 doi assess eradication strategies from biological and sociological perspectives by discussing particular cases of successful and failed eradication

eradication of exotic pests analysis with case his sengar r s - May 31 2023

web biological methods of pest control the future of biological control harmful non indigenous species in the united states exotic pests and diseases daniel a sumner 2007 11 19 exotic pests and diseases have long been an important concern in agriculture the problem is becoming increasingly urgent and complex because agricultural trade has

eradication of exotic pests analysis with case his - Mar 17 2022

web eradication of exotic pests analysis with case his invasive species in forests and rangelands of the united states harmful non indigenous species in the united states

downloadable free pdfs eradication of exotic pests analysis with case his - Jun 19 2022

web eradication of exotic pests analysis with case his herbert west reanimator oct 20 2020 howard phillips lovecraft was an american author of fantasy horror and science fiction he is notable for blending elements of science fiction and horror and for popularizing cosmic

eradication of exotic pests analysis with case histories by - Mar 29 2023

web america eradication of invading insect populations from concepts eradication of exotic pests analysis with case histories our role in managing exotic pest animals pest animals eradication of exotic pests analysis with case histories may 25th 2020 isbn 0300043325 9780300043327 oclc number 18948532 description vi 296 pages

eradication of exotic pests analysis with case his - Jul 01 2023

web eradication of exotic pests analysis with case his the case of t smethurst m d his trial for wilful murder and prosecution for bigamy with original documents not yet published being a vindication of the course pursued by her majesty s government jan 08 2023 case of major boyd with reference to his claim against the war office

eradication of exotic pests analysis with case his download - Jul 21 2022

web eradication of exotic pests analysis with case his sterile insect technique turning the tide life out of bounds exotic pests and diseases invasive and introduced plants and animals use of microbes for control and eradication of invasive arthropods

american perceptions of immigrant and invasive species the economics of quarantine and the eradication of exotic pests analysis with case his pdf - Nov 24 2022

web to detect and stop pest introductions and research on exotic insects plant pathogens and weeds the reader is also introduced to the use of exotic natural enemies for biological control of exotic pests prediction of potential epidemics caused by exotic pests insurance against exotic plant pathogens and

eradication of exotic pests analysis with case his 2023 - Apr 17 2022

web eradication of exotic pests analysis with case his both sides of the border encyclopedia of biological invasions entomology at the land grant university fruit fly pests conserving nature s diversity insights from biology ethics and economics the handbook of plant biosecurity sterile insect technique the green menace

eradication of exotic pests analysis with case histories catalog - Apr 29 2023

web eradication of exotic pests analysis with case histories available as online physical language view online toc request options format quote citation pests control case studies content types case studies items related by call number shelf browse view nearby items check for hathi data

pdf eradication and pest management researchgate - Jan 27 2023

web feb 1 1998 abstract eradication is the elimination of every single individual of a species from an area to which recolonization is unlikely to occur cost benefit analyses of eradication programs involve

eradication revisited dealing with exotic species sciencedirect - Dec 26 2022

web aug 1 2000 the estimated 100 million annual cost of the boll weevil eradication program illustrates the difficulties entailed when exotic pest species become well established over large areas even so it might be more appropriately described as area wide suppression rather than eradication

eradication of exotic pests analysis with case his - Feb 13 2022

web eradication of exotic pests analysis with case his can be taken as well as picked to act insect biodiversity robert g foottit 2009 03 03 insect biodiversity science and society brings togetherleading scientific experts to assess the impact insects have onhumankind and the earth's fragile ecosystems

eradication of exotic pests analysis with case histories on jstor - Oct 04 2023

web donald I dahlsten richard garcia and hilary lorraine doi org 10 2307 j ctt2250vh8 4 jstor org stable j ctt2250vh8 4 the tremendous controversy surrounding the 1980 82 mediterranean fruit fly eradication project in california provided the genesis of this book

eradication of exotic pests analysis with case his - Feb 25 2023

web eradication of exotic pests analysis with case his everyday ethics feb 05 2020 this book expands the current discussion

on ethics addressing the gap between headline ethics cases which are often extreme and taken from a business context and the everyday ethical challenges that we all face in school work relationships and communities eradication of exotic pests analysis with case his dummytext - May 19 2022

web mar 26 2023 problem controlling biological pollution an ecological explosion in slow motion exotic pests past present and future weeds diseases and other pests exotic weeds expensive and out of control plant disease on the move plant parasitic nematodes which are exotic pests in agriculture and forestry what is to be done

eradication of exotic pests analysis with case histories cab direct - Sep 03 2023

web abstract this book is concerned with the use of eradication as a pest management tool in the first 6 chapters scientific legal and institutional approaches to the problem of how to decide when to implement eradication are delineated **pdf impact of exotic pests on agro biodiversity and** - Oct 24 2022

web jan $14\ 2016$ abstract and figures the agricultural economy in india is vulnerable to threat from exotic pests diseases invasive species disease vectors and pathogens affect biodiversity ecosystem

eradication of exotic pests analysis with case his copy - Sep 22 2022

web pest introductions and research on exotic insects plant pathogens and weeds the reader is also introduced to the use of exotic natural enemies for biological control of exotic pests prediction of potential epidemics caused by exotic pests insurance against exotic plant pathogens and international cooperation on controlling exotic pests

eradication of exotic pests analysis with case histories - Aug 02 2023

web eradication of exotic pests analysis with case histories responsibility donald I dahlsten and richard garcia editors hilary lorraine associate editor pests control case studies bibliographic information publication date 1989 isbn 0300043325 9780300043327 browse related items

research methods for criminal justice and criminology - Aug 03 2023

web the leading text in criminal justice research methods it is based on babbie s the practice of social research the stellar combination of babbie known for

 $research\ methods\ for\ criminal\ justice\ and\ criminology\ max field\ -\ Feb\ 14\ 2022$

research methods for criminal justice and criminology - Apr 30 2023

web jun 21 2010 research methods for criminal justice and criminology michael g maxfield earl r babbie google books research methods for criminal justice and

research methods for criminal justice and criminology - Jun 01 2023

web mar 13 2007 bibliographic information even more student friendly and featuring new examples topics and references

throughout the fifth edition of michael g maxfield

research methods for criminal justice and criminology - Aug 23 2022

web authors michael g maxfield author earl r babbie author print book english 2018 edition eighth edition student edition view all formats and editions publisher cengage

research methods for criminal justice and criminology - Feb 26 2023

web feb 28 2014 research methods for criminal justice and criminology michael g maxfield earl r babbie google books research methods for criminal justice and

research methods for criminal justice and criminology 8th - Oct 05 2023

web isbn 13 9781337092326 mindtap criminal justice for maxfield babbie s research methods for criminal justice and criminology 8th edition is the digital learning solution that helps instructors engage and transform today s students into critical thinkers

research methods for criminal justice and criminology - May 20 2022

web hardcover featuring real world examples and comprehensive coverage of qualitative methods the market leading research methods for criminal justice and

basics of research methods for criminal justice and criminology - Sep 23 2022

web based on babbie s best selling text the practice of social research this is the leading text in criminal justice research methods it incorporates the key strengths of

study guide for maxfield babbie s research methods for criminal - Jul 22 2022

web feb 21 2017 research methods for criminal justice and criminology 008 edition kindle edition by michael g maxfield author earl r babbie author format kindle edition

research methods for criminal justice and criminology - Dec 27 2022

web basics of research methods for criminal justice and criminology by maxfield michael g publication date 2012 topics criminal justice administration of research

research methods for criminal justice and - Jan 16 2022

chapter 5 of research methods by maxfield babbie - Jul 02 2023

web jan 24 2023 for only 13 00 11 05 page 308 qualified specialists online learn more the chapter is devoted to measuring the characteristics of a neighborhood which is the

basics of research methods for criminal justice and - Nov 25 2022

web featuring real world examples and comprehensive coverage of qualitative methods the market leading research methods

for criminal justice and

notes on maxfield babbie chapter 2 3 writing tips - Oct 25 2022

web may 30 2007 imported from amazon com record study guide for maxfield babbie s research methods for criminal justice and criminology 5th by earl r babbie may

research methods for criminal justice and criminology - Apr 18 2022

web feb 21 2017 michael g maxfield earl r babbie cengage learning feb 21 2017 education 496 pages

research methods for criminal justice and criminology with - Jun 20 2022

web criminal justice administration of research methodology criminology research methodology justice pénale administration recherche méthodologie

research methods for criminal justice and criminology - Sep 04 2023

web feb $21\ 2017$ research methods for criminal justice and criminology michael g maxfield earl r babbie google books featuring real world examples throughout and

basics of research methods for criminal justice and criminology - Mar 30 2023

web jun 22 2011 bibliographic information a concise paperback based on maxfield babbie s best selling research methods for criminal justice and criminology

research methods for criminal justice and criminology maxfield - Nov 13 2021

research methods for criminal justice and criminology maxfield - Mar 18 2022

web research methods for criminal justice and criminology by maxfield michael g babbie earl r isbn 10 1285067843 isbn 13 9781285067841 cengage learning 2014

research methods for criminal justice and criminology - Jan 28 2023

web notes on maxfield babbie chapter 2 3 writing tips research design lecture marzano 2007 studocu notes for week 2 of course week two notes maxfield

research methods for criminal justice and criminology - Dec 15 2021

harriet gets carried away jessie sima author illustrator - Jul 02 2022

web by jessie sima simon schuster bfyr harriet loves costumes she wears them to the dentist to the supermarket and most importantly to her super special dress up birthday party her dads have decorated everything for the party and harriet has her most favorite costume all picked out for the big day there s just one thing missing party hats harriet gets carried away jessie sima google books - Oct 05 2022

web harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time for her special day

harriet gets carried away by jessie sima overdrive - Feb 26 2022

web mar 6 2018 harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time for her special day harriet gets carried away kindle edition amazon com - Aug 03 2022

web mar 6 2018 harriet gets carried away kindle edition by jessie sima author illustrator format kindle edition 170 ratings see all formats and editions kindle 10 99 read with our free app hardcover 15 29 32 used from 1 99 19 new from 12 57

harriet gets carried away jessie sima google books - Apr 30 2022

web mar 6 2018 harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time

harriet gets carried away by jessie sima hardcover barnes - Feb 09 2023

web mar 6 2018 but when she encounters a group of real penguins harriet gets a little carried away and before she realizes her mistake she s on a hot air balloon heading to antarctica harriet is determined to get home for her party and after a few failed escape attempts she does find her way back to her dads in time to pick out party hats

harriet gets carried away on apple books - Jan 28 2022

web harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time for her special day

harriet gets carried away amazon co uk - Mar 30 2022

web harriet gets carried away hardcover picture book 9 aug 2018 from the author and illustrator of the bestselling not quite narwhal comes a sweet and funny story about remembering where you belong no matter how far you roam or what you re wearing when you get there harriet loves costumes

harriet gets carried away kirkus reviews - Mar 10 2023

web mar 6 2018 harriet gets carried away by jessie sima illustrated by jessie sima release date march 6 2018 thick purple outlines in illustrations in predominantly lavender shades coupled with an imaginative storyline

teachingbooks harriet gets carried away - May 12 2023

web sep 5 2023 meet the author recording of harriet gets carried away video book reading from harriet gets carried away video book trailer for harriet gets carried away name pronunciation with jessie sima grade pk 2 genre holiday humor science fiction fantasy picture book

harriet gets carried away book review common sense media - Jun 13 2023

web mar 6 2018 kids say 1 in one seamless story this book introduces an exuberant multiracial girl who has two dads sends her on a fantastic hot air balloon journey with penguins and throws her a rollicking rooftop party harriet gets carried away s inclusive values are all the more powerful because they re implicit

harriet gets carried away by jessie sima waterstones - Dec 27 2021

web aug 9 2018 harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time for her special day publisher simon schuster isbn 9781481469111 number of pages 48 weight 567 g dimensions 279 x 229 x 18 mm

harriet gets carried away by jessie sima publishers weekly - Dec 07 2022

web harriet gets carried away jessie sima simon schuster 17 99 48p isbn 978 1 4814 6911 1 dress up loving harriet wears costumes everywhere in one early scene sima not quite narwhal

harriet gets carried away read aloud with author jessie sima - Jul 14 2023

web jun 10 2020 learn more a love for costumes inspired jessie sima to write harriet gets carried away they read this story about a little girl named harriet and her adventures with a flock of penguins find

harriet gets carried away book by jessie sima official - Jan 08 2023

web harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time for her special day

harriet gets carried away amazon com - Aug 15 2023

web mar 6 2018 but when she encounters a group of real penguins harriet gets a little carried away and before she realizes her mistake she s on a hot air balloon heading to antarctica harriet is determined to get home for her party and after a few failed escape attempts she does find her way back to her dads in time to pick out party hats

harriet gets carried away diverse bookfinder - Jun 01 2022

web harriet gets carried away 2018 by jessie sima while shopping with her two dads for supplies for her birthday party harriet who is wearing a penguin costume is carried away by a waddle of penguins and must hatch a plan in order to get herself back to the store in the city provided by publisher themes genres fiction categories any child harriet gets carried away reading rockets - Apr 11 2023

web a young girl in a penguin costume sets off to pick out some birthday hats and gets a little carried away harriet lives in the big city with her two dads on the day of her birthday party harriet puts on her special errand running penguin costume and she and her dads head to the store to pick up party supplies but when she encounters a group of real harriet gets carried away cooperative children s book center - Sep 04 2022

web mar 12 2018 harriet does get carried away literally by a passel of penguins she meets in the frozen food aisle where are

we going it turns out the penguins are going back home in hot air balloons i don t think i belong here harriet says when they arrive one penguin suggests she get rid of her red bow tie in order to fit in harriet gets carried away amazon ca - Nov 06 2022

web mar 6 2018 harriet gets carried away with the flock she may look like a penguin but she s not so sure she belongs in the arctic can harriet manage her way back to her dads and the party hats in time for her special day