

HP® LaserJet E520 and HP® LaserJet E520 Series printers basic models

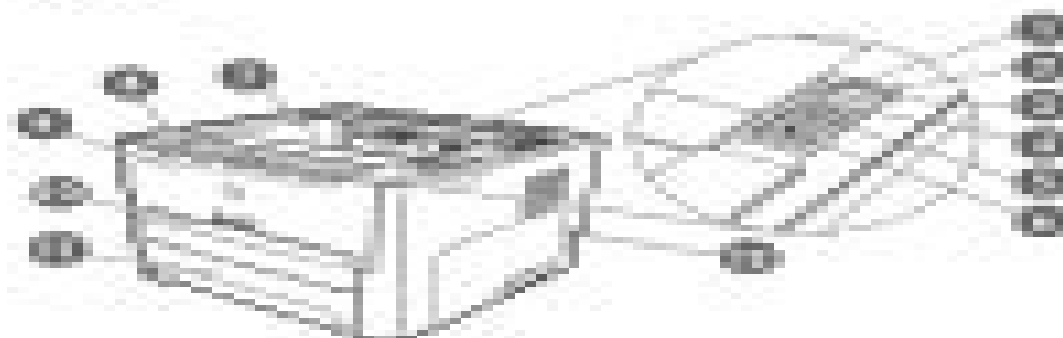


Figure 1-10

#### Front-right-side view

- 12 Release latch/HP LaserJet E520s printer only
- 11 Front feet
- 10 Rear handle
- 9 Rear light
- 8 Front cover/latch
- 7 Top cover
- 6 Paper bin
- 5 Paper support
- 4 Paper separator
- 3 Paper separator assembly
- 2 Paper separator assembly
- 1 Drive motor



Figure 1-11

#### Front-left-side view

- 12 Front-left-side view only
- 11 Paper separator
- 10 Paper separator/paper separator assembly
- 9 Paper support
- 8 Paper bin (HP LaserJet E520 and HP LaserJet E520s printer)
- 7 Release latch (release latch assembly) (HP LaserJet E520s and HP LaserJet E520s printer)
- 6 Paper separator
- 5 Paper separator assembly
- 4 Paper separator
- 3 Paper separator
- 2 Paper separator
- 1 Paper separator

# Hp1320 Service Manual

**Tobias Bleicker**



## **Hp1320 Service Manual:**

Right here, we have countless book **Hp1320 Service Manual** and collections to check out. We additionally allow variant types and then type of the books to browse. The adequate book, fiction, history, novel, scientific research, as competently as various other sorts of books are readily easily reached here.

As this Hp1320 Service Manual, it ends in the works creature one of the favored book Hp1320 Service Manual collections that we have. This is why you remain in the best website to see the unbelievable books to have.

[https://staging.conocer.cide.edu/About/Resources/Download\\_PDFS/Ford\\_Fusion\\_Airbag\\_Srs\\_Module\\_Diagram.pdf](https://staging.conocer.cide.edu/About/Resources/Download_PDFS/Ford_Fusion_Airbag_Srs_Module_Diagram.pdf)

## **Table of Contents Hp1320 Service Manual**

1. Understanding the eBook Hp1320 Service Manual
  - The Rise of Digital Reading Hp1320 Service Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Hp1320 Service Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Hp1320 Service Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Hp1320 Service Manual
  - Personalized Recommendations
  - Hp1320 Service Manual User Reviews and Ratings
  - Hp1320 Service Manual and Bestseller Lists
5. Accessing Hp1320 Service Manual Free and Paid eBooks
  - Hp1320 Service Manual Public Domain eBooks

- Hp1320 Service Manual eBook Subscription Services
- Hp1320 Service Manual Budget-Friendly Options
- 6. Navigating Hp1320 Service Manual eBook Formats
  - ePub, PDF, MOBI, and More
  - Hp1320 Service Manual Compatibility with Devices
  - Hp1320 Service Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Hp1320 Service Manual
  - Highlighting and Note-Taking Hp1320 Service Manual
  - Interactive Elements Hp1320 Service Manual
- 8. Staying Engaged with Hp1320 Service Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Hp1320 Service Manual
- 9. Balancing eBooks and Physical Books Hp1320 Service Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Hp1320 Service Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Hp1320 Service Manual
  - Setting Reading Goals Hp1320 Service Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Hp1320 Service Manual
  - Fact-Checking eBook Content of Hp1320 Service Manual
  - 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

### **Hp1320 Service Manual Introduction**

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Hp1320 Service Manual free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Hp1320 Service Manual free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Hp1320 Service Manual free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and

verify the authenticity of the source before downloading Hp1320 Service Manual. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Hp1320 Service Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

### **FAQs About Hp1320 Service Manual 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. Hp1320 Service Manual is one of the best book in our library for free trial. We provide copy of Hp1320 Service Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Hp1320 Service Manual. Where to download Hp1320 Service Manual online for free? Are you looking for Hp1320 Service Manual PDF? This is definitely going to save you time and cash in something you should think about.

### **Find Hp1320 Service Manual :**

~~ford fusion airbag srs module diagram~~

~~ford focus service manual torrent~~

**ford mondeo service manual torrent**

*ford mustang customer service*

**ford manual for f700 1987**

[ford focus repair manual filters](#)

[ford fusion belt diagram](#)

**ford motorcraft full synthetic manual transmission fluid xt-m5-qs**

[ford ka service guide](#)

**ford laser repair guide**

[ford new holland 9n 2n 8n tractor 1944 repair service manual](#)

[ford ranger pj service manual](#)

**ford focus mk1 service repair manual torrent**

*ford focus service schedule 2008*

**ford model 2725e**

## **Hp1320 Service Manual :**

*improving the accuracy of fluid intake charting through patient* - Oct 28 2022

web objectives the main objective of this evidence based utilization project was to improve the accuracy of fluid intake charting through patient involvement introduction the accurate documentation and maintenance of fluid balance charts constitute an integral part of nursing care however inaccuracies in fluid balance charting by nurses often occur

**the intake output chart healthcare service delivery fluid** - Dec 18 2021

web a gemeinen intake output chart is used for when fluid will given intravenously as well as by the enteral routes also the same chart shall used to start data and to view what has been recorded the chart is one table where the rows divide the chart into time pauses

*intake output chart eric* - Mar 21 2022

web download print ready version of the intake output chart use the intake output chart to record every drink every wee including wetting and every poo including soiling your child has does the chart is available in the pdf file above

**audit of the appropriateness and accuracy of fluid intake and output** - Jan 31 2023

web jun 2 2021 monitoring fluid balance through accurate documentation of patients intake and output charts is vital during hospitalisation and is a critical component in the care of acutely ill hospitalised patients as well as part of providing safe patient care georgiades 2016 national institute for health and care excellence nice 2017

**audit of the appropriateness and accuracy of fluid intake and output** - Aug 26 2022

web jun 10 2021 34109822 10 12968 bjon 2021 30 11 660 the current practice of fluid intake and output monitoring for hospitalised patients in one local acute care tertiary hospital was unclear and inconsistent inaccurate fluid balance



monitoring and poor documentation can result in poor clinical outcomes

*improving fluid balance charts through staff education on a* - Mar 01 2023

web after reassessment of the second pdsa cycle completion of fluid charts improved to an average fluid input total of 97 5

fluid output total of 92 and total fluid balance of 61 see fig fig1 1 for run chart

*fluid balance intake output fluid volume deficit and excess* - Jul 25 2022

web aug 6 2021 49 95 this article covers fluid balance osmolarity and calculating fluid intake and output as well as

discussing fluid volume excess and fluid volume deficit you can follow along with our fundamentals of nursing flashcards

which are intended to help rn and pn nursing students study for nursing school exams including the ati hesi

**fluid balance for adult inpatients clinical guideline** - Jun 04 2023

web 1 1 fluid balance is an essential tool in determining hydration status recording intake and output tends to be one of the

key activities undertaken at the bedside and is used in conjunction with the recording of vital signs and certain laboratory

reports to set required fluid intake levels accuracy in recording fluid intake and

**improvement of fluid balance monitoring through education and** - Feb 17 2022

web dec 9 2015 more than half of the studied sample had correct knowledge about the average urine output the required

amount of fluid intake per day and normal measurement of cvp 60 6 59 1 and 53 0

*fluid management statpearls ncbi bookshelf* - Aug 06 2023

web sep 5 2022 an important distinction in managing fluids is differentiating between maintenance fluids and fluid

replacement maintenance fluids should address the patient s basic physiologic needs including both sensible and insensible

fluid losses

improvement of fluid balance monitoring through education and - Nov 16 2021

web fluid input output charts in hospital inpatients are a valuable source of information for doctors reviewing intravenous

fluid prescription but are notorious for being incomplete and inaccurate lack of awareness of the importance of fluid balance

amongst nursing staff and an excess of unnecessary monitoring are two factors contributing to the

**my fluid intake my urine output time type of fluid serving size** - May 23 2022

web oz ml time amount ml my fluid intake conversion from ounces oz to milliliters ml serving size 0z x 29 57 ml fluid tracker

common foods that count as fluid when keeping track of your fluids don t forget that foods that melt or are liquid at room

temperature are also considered fluids

improvement of fluid balance monitoring through education and - Dec 30 2022

web dec 9 2015 fluid input output charts in hospital inpatients are a valuable source of information for doctors reviewing

intravenous fluid prescription but are notorious for being incomplete and inaccurate

**monitoring fluid intake and output clinical skills notes** - Oct 08 2023

web a typical i o sheet has a column with time and two separate sections for intake and output intake is divided into oral intake which you ll need to fill with the amount you measured and parenteral intake where you will add fluid intake coming from intravenous therapy enteral or total parenteral nutrition

a study on accuracy and precision of fluid volume measurements - Apr 21 2022

web jan 5 2022 aim to evaluate the accuracy and precision for assessing fluid intake by examining the ability of nurses patients and healthy people to visually estimate fluid volumes thereby reflecting the fluid monitoring process in clinical practice

*fluid balance intake and output charts pmc* - May 03 2023

web full text full text is available as a scanned copy of the original print version get a printable copy pdf file of the complete article 201k or click on a page image below to browse page by page

*frequency and volume chart wicha lab* - Nov 28 2022

web what is a frequency and volume chart this is a record of your fluid intake and your urine output this chart is an important part of preparation for your appointment with your urologist it will provide your urologist with information that may relate to your symptoms the chart will also help your urologist make a diagnosis and provide treatment

*7 7 measuring intake and output medicine libretexts* - Apr 02 2023

web fluid intake is routinely documented with meal intake some clients with certain health conditions also have their output measured and documented every shift intake and output are then calculated over a 24 hour period and monitored by the nurse

*intake and output chart ppt slideshare* - Jan 19 2022

web may 4 2019 importance of measuring fluid intake and output chart physician diagnosis and treatment may depend on accurate measurement of intake and output measurement of intake and output can monitor progress of treatment or of a disorder this provides information about retention or loss of sodium and ability of the kidneys to concentrate or

**urology continence care today article frequency volume charts** - Jun 23 2022

web fluid balance monitoring tools charts have been used for several decades in both acute and community care settings and provide a way of recording all fluid intake and output different versions are available for the various healthcare settings

what is an input output chart what do i need to measure my - Sep 07 2023

web what is an input output chart this chart also known as a frequency volume chart or bladder diary is used to assess how much fluid you drink to measure your urine volume to record how often you pass urine over 24 hours and to

*measuring and monitoring fluid balance british journal of nursing* - Jul 05 2023

web jun 3 2021 issn online 2052 2819 references the calculation of fluid balance involves measuring the amount of fluid entering the body and comparing it to the amount of fluid leaving the body the purpose is to determine whether there is a deficit or an excess of fluid bannerman 2018

**fluid balance charts hypervolaemia hypovolaemia ausmed** - Sep 26 2022

web fluid balance also known as fluid homeostasis describes the balancing of the body s fluid input and output levels to prevent the fluid concentration from changing

fem hoist classification secure4 khronos - Sep 23 2021

**crane service classifications comparison** - Jun 01 2022

web sep 14 2017 the fem crane and fem hoist are hoists and cranes designed and produced based on fem standards also called the european crane and hoists check dongqi

**fem hoist duty classifications explained** - Aug 03 2022

web oct 15 2015 crane service class 2 n2 100 000 to 500 000 cycles crane service class 3 n3 500 000 to 2 000 000 cycles crane service class 4 n4 over 2 000 000 cycles

wi hoist duty classification fem iso gost lemmens - Feb 09 2023

web 8 rows hoist classification corresponding crane class typical application fem hmi iso cmaa din 15018 and sim din 15018 and sim 1c m h1 m2 class a h1 b2

crane and hoist duty cycle classifications - Aug 15 2023

fem standards are created by the european material handling society and apply to the mechanical function of hoists trolleys and bridges with typical metric capacities according to the fem 9 511 standard hoist duty services application is determined by 1 load spectrum and 2 daily operating time the see more

**an overview of hoist duty and crane duty** - May 12 2023

csa international is a nationally recognized testing laboratory nrtl accredited by the u s department of labor s occupational safety and health see more

*hoist duty classifications how do they compare* - Dec 07 2022

web the fem standards use a couple of main factors to determine the hoist duty classification load spectrum and average daily operating time the load spectrum is the magnitude of

**fem code crane classification pdf scribd** - Jul 02 2022

web the fem crane and fem hoist are hoists and cranes designed and produced based on fem standards also called the european crane and hoists check dongqi fem crane fem

**demystifying classifications fem vs hst hoist duties** - Oct 05 2022

web fem is the european federation of materials handling that like hmi cmaa publish standards for the material handling industry the fem standards use a couple of main

fem hoist classification - Oct 25 2021

**crane working class standards henan sinoko cranes co ltd** - Feb 26 2022

web october 11th 2018 the fem classification correlates to a defined lifetime in full load hours fem classification 1am 3m duty cycle of hoist motor switching operations hour

**hoosier crane demystifying classifications fem hoist duty** - Nov 06 2022

web the fem class classification for hoist consist of 1dm 1cm 1bm 1am 2m 3m 4m and 5m the classification according to iso consists of m1 m2 m3 m4 m5 m6 m7 and

fem standard hoist and crane fem crane fem hoist and parts - Apr 30 2022

web jun 22 2016 hoist classification corresponding crane class corresponding crane class fem hmi iso china cmaa din 15018 sim example 1cm h1 m2

stn iso 4301 fem toyo hoisting - Jan 08 2023

web the duty classification of hoist unit is based on following 1 loadspectrum 2 average operating hours per working day 3 hoisting speeds 4 environnement 1 loadspectrum

**fem hoist classification cyberlab sutd edu sg** - Jan 28 2022

web fem hoist classification an analysis of 6 by 19 classification wire hoist rope may 07 2023 purchasing july 1954 jun 03 2020 quarterly bulletin of the canadian mining

*fem class and iso blog liftinggear shop* - Sep 04 2022

web fem code crane classification original title fem code crane classification uploaded by paurush gupta description fem code crane classification it is booklet 2 for

*fem crane fem hoist fem standard overhead crane gantry* - Mar 30 2022

web fem hoist classification artificial intelligence and computer vision oct 20 2020 this edited book presents essential findings in the research fields of artificial intelligence and

**hoist uk fem hoist duty classifications explained** - Jul 14 2023

asme standards are developed by the american society of mechanical engineers and approved by the american national standards institute ansi while see more

*fem hoist classification* - Dec 27 2021

web fem hoist classification october 10th 2018 one of the key issues at the moment is the drive to put cycle based classification of the components and mechanisms of the crane

[comparison of fem hmi and cmaa classifications proservcrane](#) - Mar 10 2023

web page 6 fem 9 512 4 classification of hoist mechanisms for hoist mechanisms the cubic mean value  $k_h$  is calculated by using the following formula where effect

[fem](#) - Apr 11 2023

the longevity and duty rating of your equipment is one of the top five questions you should ask your crane builder before moving forward with a purchase duty see more

**classification of hoisting mechanism kpk cranes** - Jun 13 2023

there are three important differences to note between fem and asme duty classifications first fem is one of the most stringent classification systems meaning see more

**free fem hoist classification** - Nov 25 2021

web the fem classification correlates to a defined lifetime in full load hours fem classification 1am 3m duty cycle of hoist motor switching operations hour 40 20 dc 180 360 s h 50

[robert crumb sketchbook vol 2 1968 1975 wordery com](#) - Jan 14 2023

web may 19 2023 get free shipping on robert crumb sketchbook vol 2 1968 1975 by robert crumb from wordery com more from the crumb tray

[robert crumb sketchbook vol 2 1968 1975 google books](#) - Oct 23 2023

web this book contains hundreds of sketches from the master of underground comic art including cover roughs for zap motor city and despair comics the introduction of aline

**robert crumb sketchbook vol 2 1968 1975 hardcover** - Apr 17 2023

web jul 29 2017 covet no more r crumb sketchbook volume 2 sept 1968 jan 1975 combines the two middle volumes from the second boxed set produced directly from the

**robert crumb sketchbook vol 2 1968 1975 varia pdf pdf** - Jun 07 2022

web introduction robert crumb sketchbook vol 2 1968 1975 varia pdf pdf the little book of big penis dian hanson 2012 the little book of big penises features more than

[robert crumb sketchbook vol 2 1968 1975 varia full pdf](#) - Sep 10 2022

web 4 robert crumb sketchbook vol 2 1968 1975 varia 2020 04 28 by quotations many of which are from artists like leonardo da vinci and harvey kurtzman mining his own

**robert crumb sketchbook vol 2 1968 1975 varia copy** - Aug 09 2022

web r crumb robert crumb sketchbook vol 2 1968 1975 varia downloaded from admin store motogp com by guest eddie petty  
george crumb w w norton

books robert crumb sketchbook vol 2 1968 1975 fit - Dec 13 2022

web covet no more r crumb sketchbook volume 2 sept 1968 jan 1975 combines the two middle volumes from the second  
boxed set produced directly from the original

**robert crumb sketchbook vol 2 1968 1975 varia kristine forney** - Mar 04 2022

web robert crumb sketchbook vol 2 1968 1975 varia right here we have countless book robert crumb sketchbook vol 2 1968  
1975 varia and collections to check out we

robert crumb sketchbook vol 2 sept 1968 1975 va basic art - May 18 2023

web robert crumb sketchbook vol 2 sept 1968 1975 va basic art by robert crumb at abebooks co uk isbn 10 383656694x isbn  
13 9783836566940 taschen 2017

**robert crumb sketchbook vol 2 1968 1975 varia pdf apidev** - Apr 05 2022

web robert crumb sketchbook vol 2 1968 1975 varia 2022 10 28 atkinson baker r crumb univ press of mississippi featuring r  
crumb s most outrageous sexual comics

*robert crumb sketchbooks series by robert crumb goodreads* - Aug 21 2023

web book 1 r crumb sketchbook june 1964 sept 1968 by robert crumb 4 41 27 ratings 5 reviews 1 edition a whole lot of  
crumb mid 1960s dispatches from ame want to

*robert crumb sketchbook vol 2 1968 1975 by* - Jun 19 2023

web jul 25 2017 so they whined and coveted with the wail growing louder when the second boxed set 1964 1982 was  
released the next year covet no more r crumb

robert crumb sketchbook vol 2 1968 1975 varia 2022 - Nov 12 2022

web robert crumb sketchbook vol 2 1968 1975 varia 1 robert crumb sketchbook vol 2 1968 1975 varia the comics of r crumb  
r crumb sketchbook the book of weirdo

*robert crumb sketchbook vol 2 1968 1975 goodreads* - Sep 22 2023

web jul 25 2017 sketchbook vol 2 1968 1975 robert crumb illustrator dian hanson editor 4 44 18 ratings 3 reviews it s the  
old story

*robert crumb sketchbook vol 2 1968 1975 hardcover* - Jul 20 2023

web so they whined and coveted with the wail growing louder when the second boxed set 1964 1982 was released the next  
year covet no more r crumb sketchbook volume

**robert crumb sketchbook vol 2 1968 1975 varia wrbb neu** - Jan 02 2022

web robert crumb sketchbook vol 2 1968 1975 varia it is totally simple then before currently we extend the connect to purchase and make bargains to download and install robert

**r crumb sketchbook vol 2 mid 1965 to early 66 goodreads** - Mar 16 2023

web jan 1 1992 a fascinating look into the working mind of the finest cartoonist of the last 30 years volume 2 contains gorgeous selections circa mid 1965 to early 1966 subjects

r crumb sketchbook volume 2 1968 1975 buds art books - Feb 15 2023

web r crumb sketchbook volume 2 1968 1975 40 00 almost gone recommended by robert crumb hundreds of sketches from the master of underground comic art

robert crumb sketchbook vol 2 1968 1975 varia by dian hanson - Feb 03 2022

web crumb sketchbook abebooks read download robert crumb sketchbook vol 2 1968 1975 pdf robert crumb sketchbook vol 2 1968 1975 taschen books robert crumb

*robert crumb sketchbook vol 2 1968 1975 varia full pdf* - Jul 08 2022

web robert crumb sketchbook vol 2 1968 1975 varia downloaded from store spiralny com by guest lizeth mclean the complete crumb comics volume 6 on the crest of a

*robert crumb sketchbook dec 1989 jan 1998 5* - May 06 2022

web robert crumb sketchbook dec 1989 jan 1998 5 hardcover 14 april 2020 by dian hanson editor robert robert crumb first found fame with zap comics in 1968

**robert crumb sketchbook jan 1975 dec 1982 volume 3 by** - Oct 11 2022

web feb 26 2018 now everything crumb is fast increasing in value the perfect time for r crumb sketchbook volume 3 jan 1975 dec 1982 combining volumes 5 and 6 from