



T100657

**Pump Diagram****LEGEND:**

- 1 Connecting Shaft
- 2 Matched Gear Set
- 3 Washer (4 used)
- 4 Cap Screw (4 used)
- 5 Port End Housing
- 6 Channel Backup Seal (2 used)

# John Deere 310se Backhoe Service Manual

**Mike Jess**



## **John Deere 310se Backhoe Service Manual:**

California Builder & Engineer ,2000      **Farmers and Consumers Market Bulletin** ,2008      *John Deere 300B Backhoe Loader Tractor Technical Service Repair Manual* ,1978-12-15      John Deere 310A Backhoe Loader Tractor Technical Service Repair Manual ,1982-12-15      *Operator's, Organizational, Direct Support and General Support Maintenance Manual (including Repair Parts List)* ,1989      **John Deere 401D Backhoe Tractor Technical Service Repair Manual** ,1984-10-15      *John Deere 510 Loader Backhoe Tractor Technical Service Repair Manual* ,1979-10-15

**Direct Support and General Support Maintenance Manual for Tractor, Wheeled, DED, Loader Backhoe, with Hydraulic Impact Tool and with Hydraulic Earth Auger Attachment, John Deere Model JD410 (CCE), with Bucket, Impactor, and Earth Drill (NSN 2420-00-567-0135).** ,1993      John Deere 500C Loader Backhoe Tractor Technical Service Repair Manual ,1979-10-15      *John Deere 135 Lawn and Garden Tractor Technical Service Repair Manual* ,2005-01-15      710C Backhoe Loader Technical Manual Deere & Co,1988      Operator's, Organizational, Direct Support and General Support Maintenance Manual (including Repair Parts List) ,1989      **John Deere service manuals** ,2005

**Organizational maintenance manual** ,1987      *John Deere 350C and 350D Crawler Bulldozer Technical Service Repair Manual* ,1986-11-15      John Deere Shop Manual 670 770 870 970&1070 Penton Staff,2000-05-24 Diesel Models 670 770 870 970 1070      **John Deere 4200 Compact Utility Tractor Technical Service Repair Manual** ,2001-04-15

*John Deere 155 Lawn and Garden Tractor Technical Service Repair Manual* ,2005-01-15      John Deere 4400 Compact Utility Tractor Technical Service Repair Manual ,2001-04-15      *John Deere 350C and 355D Crawler Loader Technical Service Repair Manual* ,1986-11-15

Ignite the flame of optimism with Crafted by is motivational masterpiece, Fuel Your Spirit with **John Deere 310se Backhoe Service Manual** . In a downloadable PDF format ( \*), this ebook is a beacon of encouragement. Download now and let the words propel you towards a brighter, more motivated tomorrow.

<https://splashdogs.com/results/browse/fetch.php/millennium%20middle%20summer%20packet.pdf>

## **Table of Contents John Deere 310se Backhoe Service Manual**

1. Understanding the eBook John Deere 310se Backhoe Service Manual
  - The Rise of Digital Reading John Deere 310se Backhoe Service Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying John Deere 310se Backhoe 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 John Deere 310se Backhoe Service Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from John Deere 310se Backhoe Service Manual
  - Personalized Recommendations
  - John Deere 310se Backhoe Service Manual User Reviews and Ratings
  - John Deere 310se Backhoe Service Manual and Bestseller Lists
5. Accessing John Deere 310se Backhoe Service Manual Free and Paid eBooks
  - John Deere 310se Backhoe Service Manual Public Domain eBooks
  - John Deere 310se Backhoe Service Manual eBook Subscription Services
  - John Deere 310se Backhoe Service Manual Budget-Friendly Options
6. Navigating John Deere 310se Backhoe Service Manual eBook Formats

- ePub, PDF, MOBI, and More
- John Deere 310se Backhoe Service Manual Compatibility with Devices
- John Deere 310se Backhoe Service Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of John Deere 310se Backhoe Service Manual
  - Highlighting and Note-Taking John Deere 310se Backhoe Service Manual
  - Interactive Elements John Deere 310se Backhoe Service Manual
- 8. Staying Engaged with John Deere 310se Backhoe Service Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers John Deere 310se Backhoe Service Manual
- 9. Balancing eBooks and Physical Books John Deere 310se Backhoe Service Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection John Deere 310se Backhoe Service Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine John Deere 310se Backhoe Service Manual
  - Setting Reading Goals John Deere 310se Backhoe Service Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of John Deere 310se Backhoe Service Manual
  - Fact-Checking eBook Content of John Deere 310se Backhoe 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

## **John Deere 310se Backhoe 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 John Deere 310se Backhoe 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 John Deere 310se Backhoe 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 John Deere 310se Backhoe 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 John Deere 310se Backhoe 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 John Deere 310se Backhoe Service Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

### **FAQs About John Deere 310se Backhoe 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. John Deere 310se Backhoe Service Manual is one of the best book in our library for free trial. We provide copy of John Deere 310se Backhoe Service Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with John Deere 310se Backhoe Service Manual. Where to download John Deere 310se Backhoe Service Manual online for free? Are you looking for John Deere 310se Backhoe Service Manual PDF? This is definitely going to save you time and cash in something you should think about.

### **Find John Deere 310se Backhoe Service Manual :**

[millennium middle summer packet](#)

[mifi 4510l user guide](#)

[milady chapter answer key](#)

[milliardaire et papa un amour dentremetteuse horizon](#)

[mini boost radio innstruction manual](#)

[mini cooper dashboard symbols](#)

[\*\*miller dialarc hf manual\*\*](#)

[mighty mount fit guide](#)

[miller syncrowave 250 service manual](#)

[milady chapter 3 test](#)

**[mikuni my 30 installation manual](#)**

[mindset exemplar 2014](#)

**[mini cooper manual one](#)**

**[mileage difference between automatic and manual transmission](#)**

**[milnor washer extractor 30022m5j parts manual](#)**

### **John Deere 310se Backhoe Service Manual :**

**[how to become a police officer the ultimate insid pdf](#)** - May 25 2022

web to become a police officer you will need to graduate high school or get a ged get a bachelor s degree optional and graduate from the police academy each state or city

**[how to become a police officer the ultimate insid 2022](#)** - Oct 30 2022

web may 19 2023 rasmussen university is accredited by the higher learning commission an institutional accreditation agency recognized by the u s department of education

**[teen charged with attempted murder for allegedly stabbing cop](#)** - Oct 18 2021

web 1 day ago a metropolitan police officer will face a misconduct hearing after being found guilty of sexually assaulting a colleague detective constable justin gilmore 52 was

**[how to become a police officer the ultimate insid book](#)** - Jan 01 2023

web introduction how to become a police officer the ultimate insid pdf 2023 becoming a police officer barry m baker 2006 covers topics a newly trained police

[how to become a police officer the ultimate insid leonard levitt](#) - Feb 19 2022

web mar 1 2018 candidates must usually have earned at least 60 college credits with a minimum gpa of 2 0 or have served previously in the military you will have to be a us

[how to become a police officer career path careeraddict](#) - Jan 21 2022

web apr 4 2023 to become a police officer the ultimate insid by online you might not require more get older to spend to go to the book instigation as skillfully as search for

*[how to become a police officer the ultimate insid paul larosa](#)* - Apr 04 2023

web how to become a police officer the ultimate insid how to become a police officer the ultimate insid 2 downloaded from



bespoke cityam com on 2023 04 23 by guest to get

**how do you become a police officer article khan academy** - Mar 23 2022

web capably as acuteness of this how to become a police officer the ultimate insid can be taken as competently as picked to act the long blue walk norman a carter jr 2016

*how to become a police officer the ultimate insid 2023* - Dec 20 2021

web 20 hours ago both the officer and suspect were taken to hospital with the suspect then being taken into custody and booked for burglary the actor and musician is the son of

tom hanks son punches intruder and police officer breaks leg in - Nov 18 2021

web 1 day ago the officer was treated and released from the hospital after being suddenly struck approximately three inches above his left eye by jose martinez nov 10 2023

how to become a police officer the ultimate insid 2022 smtp - Aug 28 2022

web aug 1 2023 becoming a police officer can provide you a rewarding career path serving your community these law enforcement professionals are required to complete

**how to become a police officer the ultimate insid** - Sep 09 2023

web how to become a police officer the ultimate insid how to become a police communications officer 999 emergency operator ca tacbook becoming

met police officer faces misconduct hearing after sexual assault - Sep 16 2021

web nov 6 2023 file aurora colo police officer nathan woodyard attends an arraignment hearing after being charged in the 2019 death of elijah mcclain jan 20 2023 at the

*how to become a police officer the ultimate insid 2023* - Aug 08 2023

web get rich become a police officer in north carolina criminal futures how to become a police officer the ultimate guide to passing the police selection process new

2nd police officer acquitted in death of elijah mcclain complex - Aug 16 2021

web aug 18 2023 written by an ex police officer and recognised training and recruitment expert how to become a police officer the ultimate guide to passing the police

**how to become a police officer the ultimate insid richard** - Mar 03 2023

web jul 20 2021 after a relatively simple initial application process a promising candidate must successfully complete the following 1 take a written test 2 pass a physical agility test

**police officer careers how to become a police officer indeed** - Apr 23 2022

web apr 7 2017 the police academy after passing the exams and interviews you are eligible to apply to a police academy

during your six months in the police academy you will be

**how to become a police officer a cop s guide** - Feb 02 2023

web how to become a police officer the ultimate insid game changer mar 20 2022 highly skilled 10x talent brings at least 10 times the value to your organization by

*how to become a police officer your step by step guide* - Sep 28 2022

web how to become a police officer the ultimate guide to passing the police selection process new core competencies i m a police officer what s your super power

**how to become a police officer the ultimate insid pdf 2013** - May 05 2023

web help her understand how police officers make sense of their world and whether that world can be changed in 2015 against the advice of everyone she knew she applied to

**how 2 become a police officer the ultimate** - Oct 10 2023

web how to become a police officer the ultimate insid so you want to be a cop jan 22 2022 this book is for every adult who secretly wishes they were a police officer or is

**how to become a police officer the ultimate insid pdf 2023** - Nov 30 2022

web the making of a police officer how to become a police officer ca tacbook the ultimate guide to being a great police officer australian policing police chief we re

how to become a police officer the ultimate insid 2023 - Jun 06 2023

web the ultimate guide to being a great police officer how to become a police officer the ultimate guide to passing the police selection process new core competencies

**how to become a police officer the ultimate insid pdf** - Jul 07 2023

web how to become a police officer the ultimate insid joining forces jan 28 2021 the police their methods and their relations with the community had been the focus of

*how to become a police officer indeed com* - Jul 27 2022

web mar 15 2023 a journey to become a police officer keesha joeckel 2021 07 25 this booklet is primarily intended to assist you in landing a job as a police officer it gives you

**how to become a police officer the ultimate insid pdf** - Jun 25 2022

web careers in state county and city police forces how to become a police officer ca tacbook how to become a police officer dynamic police training how to

*how to become a police officer the ultimate insid pdf* - Jul 15 2021

*fundamentals of machine elements edition 3 hardcover* - Aug 11 2022

web dec 5 2022 april 1 2008 created by an anonymous user imported from scriblio marc record fundamentals of machine elements by bernard j hamrock 1999

[fundamentals of machine elements amazon com](#) - May 20 2023

web nov 4 2013 fundamentals of machine elements steven r schmid bernard j hamrock bo o jacobson crc press nov 4 2013 science 626 pages

**fundamentals of machine elements si version steven r** - Dec 03 2021

**fundamentals of machine elements amazon in** - Mar 06 2022

web steven r schmid bernard j hamrock bo o jacobson category technology mechanical engineering language english isbn 9781482247503 148224750x

[fundamentals of machine elements third edition google books](#) - Jun 21 2023

web fundamentals of machine elements si version by steven r schmid bernard j hamrock bo o jacobson copyright 2014 632 pages 466 b w illustrations by crc

*fundamentals of machine elements google books* - Oct 13 2022

web nov 4 2013 fundamentals of machine elements edition 3 by steven r schmid bernard j hamrock bo o jacobson write a review hardcover buy new 210 00

**fundamentals of machine elements google books** - Dec 15 2022

web fundamentals of machine elements bernard j hamrock steven r schmid bo o jacobson google books bernard j hamrock steven r schmid bo o jacobson

*fundamentals of machine elements by bernard j hamrock* - May 08 2022

web fundamentals of machine elements hardcover 4 november 2013 by steven r schmid author bernard j hamrock author 1 more 3 9 9 ratings

[fundamentals of machine elements by bernard j hamrock](#) - Feb 05 2022

web jun 30 2014 new and improved si edition uses si units exclusively in the textadapting to the changing nature of the engineering profession this third edition of fundamentals

**fundamentals of machine elements by bernard j hamrock** - Nov 02 2021

[fundamentals of machine elements 3rd edition](#) - Aug 23 2023

web jul 18 2014 fundamentals of machine elements third edition si version steven r schmid bernard j hamrock bo o jacobson

google books steven r schmid

fundamentals of machine elements google books - Jan 16 2023

web fundamentals of machine elements bernard j hamrock steven r schmid bo o jacobson google books bernard j hamrock steven r schmid bo o jacobson

**fundamentals of machine elements hamrock bernard j free** - Sep 24 2023

web mar 29 2022 a text cd rom covering all aspects of machine elements and their application in real engineering situations a strong foundation in theory is balanced with thorough coverage of engineering design learning features include worked examples

fundamentals of machine elements google books - Nov 14 2022

web aug 26 2020 fundamentals of machine elements si version by bernard j hamrock 0 ratings 4 want to read 1 currently reading 0 have read this edition doesn t have a

**fundamentals of machine elements google books** - Mar 18 2023

web fundamentals of machine elements bernard j hamrock steven r schmid bo o jacobson google books the second edition of fundamentals of machine elements

**fundamentals of machine elements third edition si version pdf** - Jan 04 2022

web feb 28 2022 fundamentals of machine elements by bernard j hamrock steven r schmid bo o jacobson bernard hamrock steven schmid bo jacobson 2013 taylor

fundamentals of machine elements by bernard j hamrock - Sep 12 2022

web may 26 2021 fundamentals of machine elements hamrock bernard j free download borrow and streaming internet archive by hamrock bernard j

*fundamentals of machine elements steven r* - Jul 22 2023

web nov 4 2013 fundamentals of machine elements schmid steven r hamrock bernard j jacobson bo o 9781439891322 amazon com books books

**fundamentals of machine elements hamrock bernard j free** - Jul 10 2022

web may 21 2004 publisher mcgraw hill science engineering math language english pages 1008 previews available in english subjects machine design mechanical

*fundamentals of machine elements hamrock bernard j* - Apr 07 2022

web nov 1 1998 the engineering design process is stressed throughout the book through the use of case studies open ended problems design procedure boxes and in text

fundamentals of machine elements by bernard j hamrock - Jun 09 2022

web feb 24 2000 fundamentals of machine elements 151 75 11 only 2 left in stock order soon the text provides thorough coverage of the fundamentals of machine

**fundamentals of machine elements si version routledge** - Apr 19 2023

web jul 18 2014 fundamentals of machine elements si version steven r schmid bernard j hamrock bo o jacobson crc press jul 18 2014 science 625 pages

**fundamentals of machine elements si version** - Feb 17 2023

web a text cd rom covering all aspects of machine elements and their application in real engineering situations a strong foundation in theory is balanced with thorough coverage

**apexvs english 1 semester 2 answer key full pdf** - Feb 25 2023

web apexvs answers english 1 semester 2 answers kramag de june 20th 2018 description download free apexvs answers english 1 semester 2 answers ebooks in

**apexvs answers english 1 semester 1 ncf ec2 west 02 xconvert** - Feb 13 2022

web apexvs answers english 2 semesterif your child has interest in learning to cook camp play basketball or study backyard bugs then washington county public schools has an

**apex answers english 1 semester 2 answerh 2023 esource svb** - Oct 24 2022

web 2 2 apexvs english 1 semester 2 answer key 2023 02 02 study them and recounts how america s favorite planet was ousted from the cosmic hub monday morning choices

*versus legends 1 liquipedia apex legends wiki* - Dec 14 2021

web 2 2 apexvs english 1 semester 2 answer key 2022 12 26 teach yourself electricity and electronics 5th edition kendall hunt publishing company a study of what would happen

**apexvs answers english 1 semester 2 pdf** - Mar 29 2023

web apex english 9 semester 2 1 3 7 answers analyze apex answers for english 12 semester 2 apex english 9 semester 2 1 3 5 answers macbeth by

*apex learning english 1 answer key answers for 2023 exams* - Nov 24 2022

web apex answers english 1 semester 2 answerh apex learning answers english 10 2020 apex answers for english 9 sem 1 apex english 11 first semester answers apexvs

**apexvs answers english 4 semester 1 book** - May 19 2022

web apex answers english 1 semester 2 answerh apex answers for english 9 sem 1 apexvs english 1 semester 2 answer key 9b032446d18a7d2e02af0f063e5ec1b2

**apex learning answers reddit** - Oct 04 2023

web apexvs answer sheet geometry semester 1 mylibrary org apexvs algebra 1 semester 2 answer key pdf free download  
cheat sheet of keyword ranking analysis for

**apexvs answers english 1 semester 2 orientation sutd edu sg** - Jan 27 2023

web classes 3 to 5 semester 1 and 2 are english mathematics science social studies and general knowledge hues class 5  
semester 2 may 15 2020 1 an integrated

**apexvs english 9 semester 2 answer key 2023** - Mar 17 2022

web 2 2 apexvs answers english 1 semester 1 2022 08 01 3 full length practice tests online to help you gauge your progress  
end of chapter drills and explanations mcat style

**apexvs english 1 semester 2 answer key ai classmonitor** - Sep 22 2022

web apex english 2 semester 2 answers apexvs quiz answers acpsf orgapex learning answers free xpcourseamazon com  
english grammar in use book with answers

**apexvs answers english 1 semester 1 copy cyberlab sutd edu sg** - Dec 26 2022

web english 12 semester 2 apex learning answers pdf english 12 semester 2 apex learning answers 1 17 downloaded from  
accreditation ptsem edu on august 28

**apex learning answers english 9 semester 1 answers for 2023** - Apr 17 2022

web 1 apexvs english 9 semester 2 answer key breakthrough principals apr 01 2021 bridge the achievement gap with proven  
strategies for student success breakthrough principals

**apexvs english 1 semester 2 answer key copy stage gapinc** - Nov 12 2021

*apexvs answer key answers for 2023 exams* - Sep 03 2023

web download file apexvs english 1 semester 2 answer key pdf free copy hues class 4 semester 2 rise shine an integrated  
semester chemistry biology and

*apexvs answers english 1 semester 2 cyberlab sutd edu sg* - May 31 2023

web apexvs answer sheet english 1 sem 2 apexvs answer sheet english 1 sem 2 2 downloaded from im lms currikistudio org  
on 2022 05 27 by guest overcoming

**sign in apex learning** - Jul 21 2022

web learn apex 4 english with free interactive flashcards choose from 5 000 different sets of apex 4 english flashcards on  
quizlet

apexvs answer sheet english 1 sem 2 pdf im lms currikistudio - Apr 29 2023

web answers english 1 semester 2 as pdf for free at the biggest ebook library in the world get apexvs answers english 1

semester 2 pdf file for free on our ebook library pdf

apexvs answers english 9 semester 2 answers for 2023 exams - Aug 22 2022

web welcome to apex learning use this sign in portal for student and educator accounts

**apexvs answers english 2 semester 1 answers ai classmonitor** - Jan 15 2022

web versus legends 1 is an online european tournament organized by versusgaming uk versus this b tier tournament took place from apr 12 to 26

apex 4 english flashcards and study sets quizlet - Jun 19 2022

web 1 apexvs answers english 4 semester 1 cambridge english proficiency 2 for updated exam student s book with answers dec 09 2022 cambridge preliminary english test

**download file apexvs english 1 semester 2 answer key pdf** - Aug 02 2023

web apexvs answers english 1 semester 2 2018 04 23 5 11 apexvs answers english 1 semester 2 hues class 1 semester 2 2020 04 01 1 an integrated semester series for

**apexvs answers english 1 semester 2 pdf drivestreak** - Jul 01 2023

web 1 apexvs answers english 1 semester 2 cambridge english first 1 for updated exam student s book with answers and audio cds 2 feb 22 2021 common entrance 13