

BMW P 1794 Transmission control unit - checksum error

BMW P 1817 Gear/Selector Lever 0 - High Input

BMW P 3155 High pressure direct injection, cylinder 3 - low input

BMW P 3188 High pressure direct injection, cylinder 1 - CAN bus signal not received in time

BMW P 0358 Ignition Coil " H " Primary/Secondary Circuit Malfunction

BMW F19Output Stage

BMW P0752Shift Solenoid A Stuck On

BMW P 1007 Variable Valve Timing System Bank 1 Sensor Circuit Deviation Control Error

BMW P 1048 Variable Valve Timing ( VVT ) Control Circuit Bank 1 Low

BMW P 11 A 2Throttle Position Sensor Bank 1 - Low Input

BMW P 0118 Coolant temperature sensor high

BMW P 1605 Engine ECU - Torque Limit Request

BMW P1440Purge Control Valve Control Circuit Signal High

BMW P 1461 Heated catalytic converter heater - signal level too low

BMW P 174 F Gear selection, 5-3 - Impossible signal

BMW P 0188 High signal level of the fuel temperature sensor "B"

BMW P 311 F High pressure direct injection, cylinder 4 open circuit

BMW P 3135 High pressure direct injection, cylinder 9 - incorrect signal

BMW P 0320 Faulty ignition distributor circuit

BMW U 115 E ECM - no communication

BMW P0716Input/Turbine Speed Sensor Circuit Range/Performance

# Bmw Abs Trouble Codes

**Daniel F McAuley**



## **Bmw Abs Trouble Codes:**

Yeah, reviewing a book **Bmw Abs Trouble Codes** could be credited with your close links listings. This is just one of the solutions for you to be successful. As understood, talent does not recommend that you have extraordinary points.

Comprehending as with ease as settlement even more than other will have the funds for each success. adjacent to, the publication as competently as sharpness of this Bmw Abs Trouble Codes can be taken as capably as picked to act.

<https://kmsbrunchlive.gobrunch.com/files/detail/HomePages/Concise%20History%20Of%20Texas%20From%20The%20Texas%20Almanac.pdf>

## **Table of Contents Bmw Abs Trouble Codes**

1. Understanding the eBook Bmw Abs Trouble Codes
  - The Rise of Digital Reading Bmw Abs Trouble Codes
  - Advantages of eBooks Over Traditional Books
2. Identifying Bmw Abs Trouble Codes
  - 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 Bmw Abs Trouble Codes
  - User-Friendly Interface
4. Exploring eBook Recommendations from Bmw Abs Trouble Codes
  - Personalized Recommendations
  - Bmw Abs Trouble Codes User Reviews and Ratings
  - Bmw Abs Trouble Codes and Bestseller Lists
5. Accessing Bmw Abs Trouble Codes Free and Paid eBooks
  - Bmw Abs Trouble Codes Public Domain eBooks

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

### **Bmw Abs Trouble Codes Introduction**

In today's digital age, the availability of Bmw Abs Trouble Codes books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Bmw Abs Trouble Codes books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Bmw Abs Trouble Codes books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Bmw Abs Trouble Codes versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Bmw Abs Trouble Codes books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Bmw Abs Trouble Codes books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Bmw Abs Trouble Codes books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and

technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Bmw Abs Trouble Codes books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Bmw Abs Trouble Codes books and manuals for download and embark on your journey of knowledge?

### **FAQs About Bmw Abs Trouble Codes 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 webbased 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. Bmw Abs Trouble Codes is one of the best book in our library for free trial. We provide copy of Bmw Abs Trouble Codes in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Bmw Abs Trouble Codes. Where to download Bmw Abs Trouble Codes online for free? Are you looking for Bmw Abs Trouble Codes PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Bmw Abs Trouble Codes. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Bmw Abs Trouble

Codes are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Bmw Abs Trouble Codes. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Bmw Abs Trouble Codes To get started finding Bmw Abs Trouble Codes, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Bmw Abs Trouble Codes So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Bmw Abs Trouble Codes. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Bmw Abs Trouble Codes, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Bmw Abs Trouble Codes is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Bmw Abs Trouble Codes is universally compatible with any devices to read.

### **Find Bmw Abs Trouble Codes :**

**concise history of texas from the texas almanac**

*concepts of personal financial planning ben t bernacchi paperback*

concise oxford english dictionary thumb edition

**confesiones de escritores escritoras escritoras**

**concepts in communication language putting it all together**

conan the barbarian vol. 6 ; all in full color

concepts in climatology;

concepts in federal taxation 95 ed. 95 west pub co.

**concrete work simplified easi-bild**

conan lord of the black river

~~concerning vatican council ii~~

~~conceptual prototyping of business systems a templating approach to describing system functions~~

~~concerning the divine quest~~

~~concise greekenglish dictionary of the new testament~~

~~confederate catholics at war 164149 studies in irish history cork ireland~~

## **Bmw Abs Trouble Codes :**

*free rota template for excel rotacloud* - Aug 06 2023

web about this free excel rota template planning your staff rota in excel can be a frustrating time consuming task rota planning software is often the best solution but for some teams that are not yet able or ready to use the technology a simple excel template helps to reduce the burden we built this free excel rota template specifically for

**rota excel templates free download timetrack** - Jun 04 2023

web rota template effortlessly allocate shifts and maintain a well structured timetable our intuitive interface makes it easy to input employee details specify working hours and make necessary adjustments with ease download our free rota template as excel

*free weekly staff rota templatesin microsoft excel google* - Apr 02 2023

web free downloadable and printable rota templates need rota templates to schedule shifts for your staff well timekeeper has you covered download our free work rota templates with formulas included in microsoft excel google sheets and pdf pdf google sheets excel rota template weekly rota template

*free excel rota template rotaready* - May 03 2023

web free excel rota template plan simple staff rotas with our free rota template looking for a smarter way to schedule staff rotas you ve come to the right place with our free excel rota template you can build staff rotas tailored to your business store your budget forecast costs per week hours wages sales wage

**free weekly rota excel or pdf template** - Nov 28 2022

web vacationplanner 2023 weekly calendar for 2023 excel template daily schedule excel template download a weekly rota for excel in different file types xlsx xltx or pdf everything for free

**rotation schedule excel template free excel template for** - Jan 31 2023

web oct 16 2020 download here someka net excel template rota template tracking the working hours and shifts of employees is a very critical point to provide an

**free rotation schedule template vertex42** - Sep 07 2023

web sep 2 2021 about this rotation schedule spreadsheet this template provides a convenient way to display your work rotation schedule using the annual calendar template as a basis just enter the year and start month then use the other inputs to define your shift schedule pattern

*free work schedule templates for word and excel smartsheet* - Dec 30 2022

web apr 13 2016 download work rotation schedule template excel smartsheet a rotating schedule can make it harder to plan and stay organized this free work rotation schedule template shows the weekly schedule for each month it includes every month of the year creating an annual view of the work rotation schedule 5 day work schedule templates

*how to make a rota best excel tutorial* - Mar 01 2023

web to create a rota in excel you will need the following information employee name employee shift task date time once you have this information you can create a rota in excel in minutes let s create a rota for a small hotel open excel workbook how to create a rota in excel xlsx

**how to create a basic excel shift rota people hr** - Oct 28 2022

web may 6 2015 here is the basic way to create an excel rota you will need 22 columns in total label the first column name label the next three columns monday in monday out monday hours repeat step 3 for each day of the week under the name column add an employee name under the employee name you can add their job title if needed

opsyte how to create a rota template for your restaurant - Feb 17 2022

web mar 13 2023 here are the steps to create a basic rota in excel open excel and create a new spreadsheet create a table with columns for the date shift start time shift end time and the staff member assigned to the shift enter the dates and shift times for the week or month you are scheduling

*staff rota template free download zervant* - Jun 23 2022

web nov 25 2022 download our free staff rota template in ms word or excel here when done you can export your rota as a pdf and print it out week after week need to recruit some extra staff before you create your work rota use our free job advertisement template what a good staff rota should include why you should use a work rota template

how to make rota in excel easy excel tips excel tutorial - Aug 26 2022

web how to make rota in excel making a rota on excel is quite easy with these simple steps 1 make the components that are relevant to the rota note you could use other components like dates and time 2 write the names of all employees 3 write the time that the employees started

rota scheduler app - Mar 21 2022

web so we strongly suggest you to use rota scheduler app in order to streamline the whole process like streamline the whole scheduling process better informed employees open and transparent rota s when you look for a rota template excel download

you are looking for a simple excel sheet but in theory you are looking for a solution to resolve

**excel rota template printable daily weekly monthly** - Jul 05 2023

web free download excel rota template for daily weekly and monthly rota planning download free templates for roster planning from papershift by clicking on the button below

*schedule design templates for excel microsoft create* - Oct 08 2023

web follow a schedule to stay on top of your life design custom schedule templates to help you plan out your year and manage projects for your business use excel to set schedules by the month day and even down to the hour leave fields for you to add in details of what task you want to complete during the time

*free employee rota planner sona getsona com* - Jul 25 2022

web sona is built to help you manage reporting generate accurate reporting for employee pay care hours vs shared care hours and unplanned absence in real time staff contracts track over 20 different employee contract types and view overtime contractable hours overtime pay and set working time directives on one platform integrate agency views

*free rota template excel download for staff rota florence* - Apr 21 2022

web our free online rota maker is the perfect excel template for care homes and care teams plan your weekly staff work schedule without the hassle download the sheet and add staff s names and hours against the dates you input no excel knowledge needed build a weekly care home staff rota in minutes also works for any shift based team outside care

rotation schedule excel template staff rota planner for hr - Sep 26 2022

web this excel rotation schedule template contains three different types of rotation schedules those are specified according to the time duration such as monthly weekly and hourly in addition all of the types are designed and structured depending on **staff rotas made simple findmyshift** - May 23 2022

web kick start your next staff rota with our free downloadable excel template instant download and no email required *indian railway* - Aug 04 2022

web loco pilots mail b chief loco inspectors note 1 the posts in the category of loco pilot goods are ordinarily filled by selection from loco pilot shunting however in the event of non availability of loco pilot shunting general managers can approve selection from alp cadre also for posting as lp goods in terms of rbe

*rbe no 75 1999 loco inspectors duties railway rule* - Nov 07 2022

web jul 11 2020 the duties of loco inspector selected traction are summarized as under i inspection 1 foot plate inspection during day and night to check abnormalities on line and rectification of the same through concerned departments

**question bank for chief loco inspector indian** - Dec 08 2022

web 29 in a wap loco the no of brake cylinders are a 8 b 10 c 12 d 16 30 bolster is used in the following class of locos a wag5

b wam4 c wap4 d wag7 31 mu2b and f1 selector valves are used to isolate a rear loco b a9 and sa9 of rear loco c rsi block in mu operation d none of the above 32

**indian railway question bank question bank loco** - Jul 03 2022

web q bank for chief loco inspector selection traction part 1 q bank for chief loco inspector selection traction part 2 q bank for chief loco inspector selection traction part 3 question bank ac loco

**question bank for chief loco inspector selection diesel part 1** - Jan 29 2022

web feb 23 2019 selection procedure of investigating vigilance inspectors in railway q paper answer selection of je works hindi 24 2 2021 eligibility criteria qualification for selection of staff welfare inspector

locomotive inspector definition law insider - Mar 31 2022

web related to locomotive inspector home inspector means an individual who is certified pursuant labour inspector means a person appointed in terms of section 65 of the basic conditions of employment act building inspector means a person licensed to carry out completed residential building inspections under the queensland building and

*chico loco singapore central area city area tripadvisor* - Feb 27 2022

web aug 4 2020 chico loco singapore see 38 unbiased reviews of chico loco rated 4 5 of 5 on tripadvisor and ranked 758 of 14 211 restaurants in singapore

*south central railway* - Mar 11 2023

web written examination for selection of chief loco inspector sc division max marks 100 time 3 hrs instructions the question paper is divided into 2 groups a b the candidates are advised to attempt both the groups group a i answer any 10 of the following all the questions will carry equal marks 10x5 50 1 draw a neat sketch of pantograph

**rbe no 108 2019 promotion loco running supervisors** - Sep 05 2022

web jul 4 2019 selection options from eligible and willing loco running staff for vacant posts of clis and clis ccc cprc ctlc should be called for by the personnel department in the divisions after assessing the vacancies a panel should be formed through a selection process of suitability cum seniority

**ministry of railways railway board indian railway** - Jan 09 2023

web scheme for filling up the posts loco running supervisors chief loco inspectors and chief crew controllers chief power controllers chief traction controllers grant of ad hoc bonus for 30 days to the group c rpf rpsf personnel for the financial year 2020 21

*loco inspector selection old syndeohro* - Jun 02 2022

web 2 loco inspector selection 2023 05 28 related with loco inspector selection dr kai bartley greys anatomy dragon quest xi trophy guide dragonflight mage tower guide

[clis rbe no 80 2021 selection for chief loco inspectors](#) - Jun 14 2023

web dec 6 2021 [clis rbe no 80 2021 selection for chief loco inspectors december 6 2021 dharmanshu singh yadav 0](#)  
comments chief crew controllers chief loco inspectors chief power controllers chief traction controllers clis railway board  
circulars 2021 rbe no 80 2021

**rulobby loco inspectors questions bank blogger** - Sep 1 **heap sort from seymour lipschutz 2023 bluefield college** -  
Sep 22 2021

[heap sort from seymour lipschutz survey thecube](#) - Dec 06 2022

web heap sort from seymour lipschutz this is an accessible resource on data structures with sample implementations and  
great explanations cpsc 223 data structures and

**heap sort from seymour lipschutz subramanyam book** - May 11 2023

web heap sort from seymour lipschutz yeah reviewing a book heap sort from seymour lipschutz could accumulate your near  
contacts listings this is just one of the solutions

[heap sort from seymour lipschutz pdf copy](#) - Oct 24 2021

web strategies hash table implementation sorting insertion sort bubble sorting quick sort two way merge sort heap sort  
sorting on different keys practical

**heapsort wikipedia** - May 31 2022

web in this article we will discuss the heapsort algorithm heap sort processes the elements by creating the min heap or max  
heap using the elements of the given array min heap or

**heapsortfromseymourlipschutz wikijs networklessons** - Aug 02 2022

web acquire store organize process and disseminate processed data namely information the unique aspect of the book is to  
examine processing all types of data numbers text

*what is heap sort webopedia* - Mar 29 2022

web jun 15 2020 [heap sort](#) heap sort is performed on the heap data structure we know that heap is a complete binary tree  
heap tree can be of two types min heap or max heap

**heap sort online tutorials library** - Feb 25 2022

web heap sort from seymour lipschutz is available in our book collection an online access to it is set as public so you can get  
it instantly our digital library hosts in multiple locations

*heap sort from seymour lipschutz pdf uniport edu* - Apr 10 2023

web may 3 2023 [people have search hundreds times for their chosen novels like this heap sort from seymour lipschutz but](#)

end up in infectious downloads rather than enjoying a

**heap sort from seymour lipschutz pdf uniport edu** - Feb 08 2023

web mar 13 2023 heap sort from seymour lipschutz 1 1 downloaded from uniport edu ng on march 13 2023 by guest heap

sort from seymour lipschutz this is likewise one of

heapsortfromseymourlipschutz cwtest zfactor - Jul 01 2022

web delete 8 from heap and add to sorted array 1 6 7 4 5 3 2 1 7 8 swap 1 and 7 as they are not in order in the heap 7 6 1 4 5  
3 2 1 3 8 swap 1 and 3 as they are not in

*heap sort from seymour lipschutz pdf uniport edu* - Nov 24 2021

web jul 1 2023 heap sort from seymour lipschutz pdf is available in our book collection an online access to it is set as public  
so you can download it instantly our book servers

*heap sort from seymour lipschutz uniport edu* - Jan 27 2022

web apr 24 2023 revelation heap sort from seymour lipschutz that you are looking for it will unconditionally squander the  
time however below with you visit this web page it will be

**heap sort from seymour lipschutz pdf uniport edu** - Dec 26 2021

web info get the heap sort from seymour lipschutz associate that we present here and check out the link you could buy guide  
heap sort from seymour lipschutz or acquire it as

**heap sort from seymour lipschutz ctwelland clearfit com** - Nov 05 2022

web jan 11 2023 4730014 heap sort from seymour lipschutz 2 17 downloaded from ctwelland clearfit com on by guest and  
exercises over the first edition provides full

*heap sort data structures and algorithms tutorials* - Oct 04 2022

web seymour saul lipschutz is an author of technical books on pure mathematics and probability including a collection of  
schaum s outlines lipschutz received his ph d in

**heap sort from seymour lipschutz 2023** - Aug 14 2023

web heap sort from seymour lipschutz a new variorum edition of shakespeare the tempest 1892 dec 24 2020 william digby  
seymour oct 14 2022 about etching jul

*heap sort from seymour lipschutz pdf staging fpmaine* - Jan 07 2023

web heap sort from seymour lipschutz is available in our digital library an online access to it is set as public so you can  
download it instantly our digital library spans in multiple

**heap sort from seymour lipschutz pdf free black ortax** - Mar 09 2023

web heap sort from seymour lipschutz pdf introduction heap sort from seymour lipschutz pdf free handbook of data

structures and applications dinesh p mehta

**heap sort from seymour lipschutz 2023** - Jun 12 2023

web heap sort from seymour lipschutz the untouchable dec 16 2022 in london albert william packer known as mister is master of all he surveys he rules the manor with an

heap sort from seymour lipschutz cyberlab sutd edu sg - Jul 13 2023

web heap sort from seymour lipschutz the works of william shakespeare oct 09 2020 a new variorum edition of shakespeare the tempest 1892 oct 21 2021 william digby

**seymour lipschutz temple university** - Sep 03 2022

web implementation sorting insertion sort bubble sorting quick sort two way merge sort heap sort sorting on different keys practical consideration for internal

heap sort javatpoint - Apr 29 2022

web nov 25 1997 the heap itself has by definition the largest value at the top of the tree so the heap sort algorithm must also reverse the order it does this with the following steps