# FORD TRANSIT Diesel



Oct 2000 to Oct 2006 (X to 56 reg)

## Owners Workshop Manual

step-by-step maintenance and repair

Please open only after purchase.

S'il vous plait ouvrir seulement après l'achat.

> Favor de abrir solamente después de la compra.



The best selling car manuals in the world

### Ford Transit Mk20020service Repair Manual

**Ford Motor Company** 

#### Ford Transit Mk20020service Repair Manual:

Ford Transit repair manual ,1990 Ford Transit .1965 Ford Transit Connect Diesel (02-10) Mark Storey, 2011 Vans with diesel engines 1 8 litre 1753cc Does not cover petrol or LPG engines Does not cover specialist bodywork conversions Ford Transit Ford Motor Company of Australia, 1978 Ford Transit ,1969 Ford Transit Diesel Service and Repair Manual John S. Mead, 1995-11-01 Van Chassis Cab Bus etc inc Tourneo Does NOT cover Transit 4x4 or specialist bodywork conversions Diesel 2 5 litre 2496cc normally aspirated turbocharged engines Ford Transit Diesel Service and Repair Ford Transit Owners Workshop Manual Ian Coomber, 1988-09-01 Manual John S. Mead, 1995-10-01 Ford Transit Diesel 00-06 Owners Workshop Manual John S. Mead, 2014 **Transit '95**, 1995 **Ford Transit Owners Workshop** Manual John Harold Haynes, Andrew K. Legg, 1979 Ford Transit Owners Workshop Manual John Harold Haynes, A. K. Legg, 1979 Ford Transit Owners Workshop Manual Ian M. Coomber, 1986 V4 Transit Repair Manual Set Ford Motor Company, 2000-09-01 V4 Transit Repair Manual Ford Motor Company, 2000-09-01 **Ford Transit Custom Diesel ('13-'18) 62 to 18** Rob Keenan, 2018-12-21 Ford Vans Automotive Repair Manual Ralph Rendina, John Harold Ford Transit Owner's Workshop Manual John Haynes, 1995 Ford Full Size Vans 1992 95 Shop Manual Haynes 32 pgs 76 ill Transit '95 ABS/PATS Diagnosis and Body Repair Manual ,1997 Harold Haynes, Brian Leonard Chalmers-Hunt, 1972 Ford Transit owners workshop manual John Harold Haynes, Andrew K. Legg, 1979

Thank you very much for downloading **Ford Transit Mk20020service Repair Manual**. Maybe you have knowledge that, people have see numerous period for their favorite books when this Ford Transit Mk20020service Repair Manual, but end occurring in harmful downloads.

Rather than enjoying a good PDF gone a cup of coffee in the afternoon, instead they juggled with some harmful virus inside their computer. **Ford Transit Mk20020service Repair Manual** is clear in our digital library an online permission to it is set as public hence you can download it instantly. Our digital library saves in combination countries, allowing you to get the most less latency period to download any of our books behind this one. Merely said, the Ford Transit Mk20020service Repair Manual is universally compatible subsequent to any devices to read.

https://staging.conocer.cide.edu/results/browse/HomePages/george%20graham%20the%20wonder%20years.pdf

#### Table of Contents Ford Transit Mk20020service Repair Manual

- 1. Understanding the eBook Ford Transit Mk20020service Repair Manual
  - The Rise of Digital Reading Ford Transit Mk20020service Repair Manual
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Ford Transit Mk20020service Repair Manual
  - Exploring Different Genres
  - $\circ\,$  Considering Fiction vs. Non-Fiction
  - o Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Ford Transit Mk20020service Repair Manual
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Ford Transit Mk20020service Repair Manual
  - Personalized Recommendations
  - Ford Transit Mk20020service Repair Manual User Reviews and Ratings

- Ford Transit Mk20020service Repair Manual and Bestseller Lists
- 5. Accessing Ford Transit Mk20020service Repair Manual Free and Paid eBooks
  - Ford Transit Mk20020service Repair Manual Public Domain eBooks
  - Ford Transit Mk20020service Repair Manual eBook Subscription Services
  - Ford Transit Mk20020service Repair Manual Budget-Friendly Options
- 6. Navigating Ford Transit Mk20020service Repair Manual eBook Formats
  - o ePub, PDF, MOBI, and More
  - o Ford Transit Mk20020service Repair Manual Compatibility with Devices
  - Ford Transit Mk20020service Repair Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Ford Transit Mk20020service Repair Manual
  - Highlighting and Note-Taking Ford Transit Mk20020service Repair Manual
  - Interactive Elements Ford Transit Mk20020service Repair Manual
- 8. Staying Engaged with Ford Transit Mk20020service Repair Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Ford Transit Mk20020service Repair Manual
- 9. Balancing eBooks and Physical Books Ford Transit Mk20020service Repair Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Ford Transit Mk20020service Repair Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Ford Transit Mk20020service Repair Manual
  - Setting Reading Goals Ford Transit Mk20020service Repair Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ford Transit Mk20020service Repair Manual
  - Fact-Checking eBook Content of Ford Transit Mk20020service Repair 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

#### Ford Transit Mk20020service Repair Manual Introduction

In the digital age, access to information has become easier than ever before. The ability to download Ford Transit Mk20020service Repair Manual has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Ford Transit Mk20020service Repair Manual has opened up a world of possibilities. Downloading Ford Transit Mk20020service Repair Manual provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Ford Transit Mk20020service Repair Manual has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Ford Transit Mk20020service Repair Manual. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Ford Transit Mk20020service Repair Manual. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Ford Transit Mk20020service Repair Manual, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To

protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Ford Transit Mk20020service Repair Manual has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

#### FAQs About Ford Transit Mk20020service Repair 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. Ford Transit Mk20020service Repair Manual is one of the best book in our library for free trial. We provide copy of Ford Transit Mk20020service Repair Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Ford Transit Mk20020service Repair Manual. Where to download Ford Transit Mk20020service Repair Manual online for free? Are you looking for Ford Transit Mk20020service Repair Manual PDF? This is definitely going to save you time and cash in something you should think about.

#### Find Ford Transit Mk20020service Repair Manual:

george graham the wonder years

<u>germans who never lost</u> <u>georgette klingers skincare</u> geriatric nursing georg baselitz portraits of elke geomorphological techniques german business after the economic miracle

german baroque pastoral singspiel

german army conquest 193345

george w. bush u.s. presidents poster

geotechnical practice for stability in open pit mining proceedings proceedings

geriatric rehabilitation manual

german high command at war the hindenburg and ludendorff conduct world war i

george gissing grave comedian

german knights of malta a gallery of portraits

#### Ford Transit Mk20020service Repair Manual:

loading interface goodreads - Dec 04 2021

#### the secret life of a tiger google books - Feb 18 2023

web jun  $15\ 2009$  the secret life of tigers documents the family life of three tigresses and their cubs at every stage of the cubs development from soon after birth to adulthood

extinct tasmanian tiger yields rna secrets that could aid - Oct 02 2021

#### secret life of a tiger amazon com - Aug 24 2023

web aug 24 2017 the tiger's secret life is rich and adventurous the tiger takes care of a snake chops a salad for a baby elephant and dances with a family of tapirs a great

#### review the secret life of a tiger father reading - Nov 15 2022

web amazon in buy the secret life of a tiger book online at best prices in india on amazon in read the secret life of a tiger book reviews author details and more at

the secret life of tigers oxford university press - Sep 13 2022

web may 20 1999 62 ratings9 reviews the secret life of tigers documents the family life of three tigresses and their cubs at every stage of the cubs development from soon after

the secret life of a tiger lovereading4kids - Dec 16 2022

web aug 10 2017 the secret life of a tiger przemystaw wechterowicz and emilia dziubak words pictures tigers aren t necessarily all that they seem most certainly that is the

the secret life of tigers by valmik thapar goodreads - Apr 08 2022

web apr 26 2022 luke evans the secret life of a tiger luke evans the secret life of a tiger cheebies bedtime stories 26 april 2022 5 minutes

the secret life of a tiger readingzone - May 09 2022

web discover and share books you love on goodreads

the secret life of a tiger red reading hub jillrbennett s - Jul 11 2022

web jan 29 2022 wechterowicz przemyslaw dziubak emilia the secret life of a tiger 2016 words pictures tiger says he is a cat with simple pleasures he likes to spen

the secret life of a tiger youtube - Feb 06 2022

web tigers with malcom s experiences as its focus white tigers examines all aspects of guerrilla activities in korea this exciting memoir makes an important contribution to the

luke evans the secret life of a tiger cheebies bbc - Jan 05 2022

#### the secret life of a tiger planet picture book - May 21 2023

web tiger is a cat with simple pleasures he likes to spend his days wandering about chatting with friends and having a little snack but at night his secret life is revealed and its very

#### secret life of a tiger hardcover barnes noble - Jan 17 2023

web find helpful customer reviews and review ratings for the secret life of a tiger at amazon com read honest and unbiased product reviews from our users

#### secret life of a tiger amazon co uk - Jun 22 2023

web sep 25 2018 in the daytime tiger likes to eat sleep socialise and snack but once the sun goes down his unusual and entertaining secret life unfolds this title appeared on a

#### the secret life of a tiger hardcover 24 august 2017 amazon in - Jun 10 2022

web cheebies bedtime stories luke evans the secret life of a tiger luke evans reads a bedtime story about tiger who reveals his secret life in the jungle

the secret life of a tiger amazon com - Jul 23 2023

web the secret life of a tiger is a spectacular book to look at especially if you are lucky enough to obtain the large hardback

version each double spread is full of luscious the secret life of a tiger laura marsh - Sep 01 2021

#### the secret life of a tiger paperback 19 july 2018 [ ] - Mar 07 2022

web sep 19 2023 life extinct tasmanian tiger yields rna secrets that could aid resurrection rna which regulates the activity of dna is a crucial part of building an organism and

#### the secret life of a tiger read aloud book for kids youtube - Oct 14 2022

web aug 24 2017 9781910277249 format hardback published 24 08 2017 synopsis tiger is a cat with simple pleasures he likes to spend his days wandering about chatting with

#### the secret life of a tiger paperback 19 july 2018 - Mar 19 2023

web jun 28 2023 title the secret life of a tiger written by przemyslaw wechterowicz illustrated by emilia dziubak tiger is a cat with simple pleasures he likes to spend his

secret life of a tiger kirkus reviews - Apr 20 2023

web the secret life of a tiger isbn 9781910277249 original hugely enjoyable and with an irresistible central character there s lots in this picture book to look at and talk about

#### amazon co uk customer reviews the secret life of a tiger - Aug 12 2022

web buy the secret life of a tiger online on amazon eg at best prices fast and free shipping free returns cash on delivery available on eligible purchase

luke evans the secret life of a tiger bbc - Nov 03 2021

#### ati predictor test 180 questions and answers upgraded 2022 - Oct 28 2022

web dec 1 2022 ati ati ati exam ati predictor test 180 questions and answers upgraded 2022

ati comprehensive predictor exam questions and 100 correct answers - Jun 04 2023

web oct 24 2023 1 ati comprehensive predictor exam comprehensive ati predictor questions and correct answers 200 2 ati comprehensive predictor exam 2019 d ati nclex predictor 180 questions and correct answers 3 ati comprehensive predictor exam 2019 c ati nclex

2023 ati rn proctored comprehensive predictor - Nov 28 2022

web apr 20 2023 bundle contains 49 documents 1 ati rn comprehensive predictor 2023 2024 form a b c questions and answers 2 ati comprehensive predictor version 1 complete 150 questions a 3 2023 form a b and c ati rn ati comprehensive predictor 2023 form a b and c 4

#### pn comprehensive predictor 2023 with ngn flashcards - Sep 07 2023

web expert solutions pn comprehensive predictor 2023 with ngn flashcards q chat an assistive personnel tells the charge nurse that her assignment is too demanding she angrily tells the nurse to reassign one of her tasks to another ap which of the following actions should the nurse take to resolve the conflict

#### ngn ati pn comprehensive predictor 2023 real exam - Mar 21 2022

web jun 9 2023 course ngn ati pn comprehensive predictor 2023 institution ngn ati pn comprehensive predictor 2023 real exam 180 questions and answers1 a nurse is caring for a group of clients which of the following can be assigned to an assistive personnel preview 4 out of 43 pages report copyright violation also ati predictor test questions and answers 2021 docmerit - May 23 2022

web jun 11 2021 ati predictor test questions and answers 2021 16 45 add to cart browse study resource subjects accounting anthropology architecture art astronomy biology business chemistry communications computer science

#### ati comprehensive predictor exam complete - Apr 21 2022

web may 25 2022 ati comprehensive predictor exam latest questions and anwers 100 complete solution for a ati pn comprehensive predictor form b questions and answers latest 2021 ati rn comprehensive predictorand exit form a and b complete solution more than 1000 ques ati comprehensive

#### ati pn comprehensive predictor 2023 real actual exam - May 03 2023

web apr 12 2023 ati pn comprehensive predictor 2023 real exam 180 questions and answers 1 a nurse is caring for a group of clients which of the following can be assigned to an assistive personnel collecting a stool specimen two tests for occult blood 2 a nurse is working on a unit for clients with dementia

#### ati comprehensive predictor questions and answers 2023 2024 - Aug 26 2022

web apr 15 2023  $\,$ 1 exam elaborations vati comprehensive predictor review 2023 2024 2 exam elaborations vati comprehensive predictor 2022 2023 3 exam elaborations vati comprehensive a graded a 4 exam elaborations rn comprehensive predictor 2019 form b and c 5

#### ati comprehensive predictor 180 questions with answers - Aug 06 2023

web ati comprehensive predictor 180 questions with answers correct verified latest 2023 exams nursing docsity download exams ati comprehensive predictor 180 questions with answers correct verified latest 2023 university of maryland ati comprehensive predictor 180 questions with answers correct verified latest 2023

#### ati pn comprehensive predictor 2023 2024 real exam - Feb 17 2022

web oct 28 2023 ati pn comprehensive predictor 2023 2024 real exam 180 questions and answers ati comprehensive predictor flashcards and study sets quizlet - Jan 31 2023

web learn ati comprehensive predictor with free interactive flashcards choose from 5 000 different sets of ati comprehensive predictor flashcards on quizlet

#### ati predictor questions answers study guide learnexams - Sep 26 2022

web oct 28 2023 ati predictor questions answers study guide ati predictor questions answers study guide download ati rn comprehensive predictor flashcards and study sets quizlet - Apr 02 2023

web learn ati rn comprehensive predictor with free interactive flashcards choose from 3 846 different sets of ati rn comprehensive predictor flashcards on quizlet

ati predictor test questions with answers latest 2022 - Jul 25 2022

web mar 12 2022 ati predictor test questions with answers latest 2022 16 45 add to cart browse study resource subjects accounting anthropology architecture art astronomy biology business chemistry communications computer science ati rn comprehensive predictor exam 2023 new studocu - Jun 23 2022

web what is the rationale for this nursing action a this is done to complete the first action in a head to toe assessment this is done to compare and monitor for vital sign variation during b transport this is done to ensure that the medical surgical nurse checks on the c postoperative patient

ati comprehensive predictor exam test bank latest 2023 - Mar 01 2023

web mar 10 2023 1 ati comprehensive predictor proctored exam 10 new versions 2023 100 verified correct q a 2 ati comprehensive predictor exam test bank latest 2023 verified and 100 correct answers 3 ati comprehensive predictor exam 2019 180 q a verified and 100 correct answers 4

ati comprehensive predictor exam folder quizlet - Dec 30 2022

web improve your grades and reach your goals with flashcards practice tests and expert written solutions today try magic notes and save time try it free try magic notes and save time crush ati predictor study guide 2015 103 terms ginamariefranco comprehensive final exam focus review term 2 96 terms janae ashe comprehensive predictor

#### 2023 ati comprehensive predictor updated version study guide - Oct 08 2023

web liver biopsy prior correct answer must have lab results for prothrombin time myxedema hypothyroidism correct answer slowed physical and mental function sensitivity to cold dry skin and hair grave s disease hyperthyroidism correct answer accelerated physical and mental function

#### ati comprehensive predictor practice questions flashcards - Jul 05 2023

web a the roommate is up independently b the client ambulates with his slippers on over his antiembolic stockings c the client uses a front wheeled walker when ambulating d the client had pain meds 30 minutes ago e the client is allergic to codeine f the client ate 50 of his breakfast this morning f g

2 1 atoms isotopes ions and molecules the building - Jan 08 2023

web nov  $21\ 2020$  there are six electrons in a neutral  $12\ c$  atom the net charge of such a neutral atom is zero and the mass number is  $12\ c$  the preceding answers are

isotopes rausser college of natural resources - Oct 25 2021

#### atoms ions and isotopes oh why science news learning - Feb 26 2022

web show answer formation of isotopes and ions isotopes can be made in supernovas through radioactive decay of elements and in specialized laboratories the resulting isotopes have similar chemical and physical properties in general it is difficult to make isotopes and involves a lot of energy these are termed nuclear reactions

neutral atoms ions and isotopes flashcards quizlet - Aug 15 2023

web chemistry neutral atoms ions and isotopes term 1 19 atomic number click the card to flip definition 1 19 the order of an element in mendeleyev s table of the elements click the card to flip flashcards learn test match created by hannahjade0 terms in this set 19

chapter 1 6 isotopes and atomic masses chemistry libretexts - Mar 30 2022

web the atomic number is the number of protons in an element while the mass number is the number of protons plus the number of neutrons learning objectives determine the

atoms isotopes ions and molecules course hero - Jan 28 2022

web apr 28 2014 isotopes are electrically neutral because they possess an equal number of protons and electrons let s look at the example of carbon the most common version is c 12 6p 6n 6e whose mass of 12amu comes from the 6 protons and 6 neutrons the balance of 6 protons and 6 electrons makes the atom electrically neutral no charge

#### why are isotopes electrically neutral example socratic - Nov 25 2021

web jul 29 2022 if a neutral atom has 1 proton it must have 1 electron if a neutral atom has 2 protons it must have 2 electrons if a neutral atom has 10 protons it must have 10

#### 2 atoms molecules and ions exercises chemistry libretexts - Nov 06 2022

web jan 2 2016  $\,$  neutral atoms contain the same number of protons as electrons ions are electrically charged particles produced by either removing electrons from a neutral atom

neutral atoms ions and isotopes youtube - Sep 04 2022

web apr 27 2023 a neutral atom must contain the same number of positive and negative charges so the number of protons equals the number of electrons therefore the atomic

introduction to ions video khan academy - Jun 01 2022

web jul 29 2021 the isotopes of an element differ only in their atomic mass which is given by the mass number a the sum of the numbers of protons and neutrons the element

atoms and isotopes atoms isotopes and ions aga - Oct 05 2022

web chemistry library course chemistry library unit 1 average atomic mass atomic number mass number and isotopes worked example identifying isotopes and ions isotope

worked example identifying isotopes and ions khan - Jul 14 2023

web 1 2 3 ions normally atoms are neutral they have the same number of protons in the nucleus as they have electrons orbiting in the energy levels around the nucleus atoms

2 2 atoms isotopes ions and molecules the building blocks - Feb 09 2023

web 1 2 3 4 isotopes and ions isotopes of an element have the same number of protons but different numbers of neutrons in their nuclei isotopes of an element have

atomic number mass number and isotopes video khan - Aug 03 2022

web atom vs ion atoms are neutral which means there is an equal number of protons and electrons ions are atoms with a charge the charge can be positive or negative in

2 atoms molecules and ions chemistry libretexts - Apr 11 2023

web some isotopes may emit neutrons protons and electrons and attain a more stable atomic configuration lower level of potential energy these are radioactive isotopes or

2 2 atomic structure isotopes and atomic mass - Jul 02 2022

web neutral atoms ions isotopes flashcards quizlet start studying neutral atoms ions isotopes learn vocabulary terms and more with flashcards games and other study tools search

2 6 protons neutrons and electrons in atoms - Sep 23 2021

2 1 atoms isotopes ions and molecules the building - Mar 10 2023

web dec 18 2021 1 atoms contain protons electrons and neutrons among other subatomic particles the only exception is hydrogen h which is made of one proton and one

difference between isotopes and ions umd - Dec 27 2021

web atoms and isotopes atoms and ions recall atoms consist at a basic level of a nucleus consisting of protons positively charged and neutrons neutral electrons

neutral atoms ions isotopes flashcards quizlet - Apr 30 2022

web figure out which subatomic particle you need to manipulate to create a stable neutral li atom and then a stable neutral c

atom and write the correct number of that subatomic isotopes and ions atomic structure ocr gateway bbc - Dec 07 2022

web learn about and revise the structure of atoms atoms and isotopes and ions with gcse bitesize combined science ions atoms isotopes and ions aqa gcse - Jun 13 2023

web open the build an atom simulation a drag protons neutrons and electrons onto the atom template to make a neutral atom of lithium 6 and give the isotope symbol for this

ch 2 exercises chemistry 2e openstax - May 12 2023

web write a symbol for each of the following neutral isotopes include the atomic number and mass number for each the alkali metal with 11 protons and a mass number of 23 the