

# 2023 bmw z4 manual transmission

## 2023 BMW Z4 Manual Transmission: A Driver's Delight

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**Summary:** This article delves into the intricacies of the 2023 BMW Z4's manual transmission, exploring its engineering, driving dynamics, comparison to automatic counterparts, and the overall ownership experience. It provides detailed insights into the benefits and challenges of driving a manual sports car and offers practical advice for prospective buyers. Methodologies discussed include analyzing the gearbox's technical specifications, comparing performance metrics against automatic models, and evaluating driver feedback from various sources.

## The Rarity and Revival: The 2023 BMW Z4 Manual Transmission

The 2023 BMW Z4 stands out in the modern automotive landscape, not just for its stunning roadster design, but also for offering a manual transmission option. In an era dominated by automatic and dual-clutch transmissions, the availability of a manual gearbox in a premium sports car like the Z4 is a welcome surprise for driving enthusiasts. This choice represents a commitment to preserving a visceral and engaging driving experience that many consider superior to automated alternatives. This article will explore the nuances of this option, examining its performance characteristics, the unique driving experience it provides, and the factors to consider when choosing between the manual and automatic transmissions.

## Engineering Excellence: A Deep Dive into the Gearbox

The 2023 BMW Z4 manual transmission is a meticulously engineered piece of machinery. While BMW hasn't drastically altered the fundamental design of

manual transmissions, refinements continue to improve smoothness, precision, and durability. The specific gear ratios are optimized to maximize the engine's performance across the rev range. The short-throw shifter, a hallmark of BMW's sporting heritage, provides quick and precise shifts, adding to the overall engaging driving experience. The feel of the clutch engagement is also well-tuned, offering a balance between ease of use and a sporty feel. This attention to detail makes the 2023 BMW Z4 manual transmission a pleasure to operate, even in demanding driving conditions. The precise and direct feel of the shifter allows for quick and accurate gear changes, critical for navigating twisty roads and maximizing performance on the track.

## **Performance and Handling: A Manual Advantage?**

While many modern automatics offer lightning-fast shifts, the 2023 BMW Z4 manual transmission provides a level of driver engagement and control that is unmatched. The ability to precisely modulate throttle and clutch inputs allows for finer control over the car's behavior, especially when entering and exiting corners. The manual transmission also enhances the connection between driver and machine, providing a more visceral and rewarding driving experience. This feeling is amplified by the engine's responsiveness and the Z4's agile handling. The direct connection between the driver and the engine through the manual gearbox allows for a more intuitive and rewarding driving experience. Objectively, the manual transmission might slightly increase 0-60 mph times compared to the automatic, but subjective driver experience often outweighs this slight difference.

## **The 2023 BMW Z4 Manual Transmission vs. Automatic: A Comparison**

The choice between the manual and automatic transmission in the 2023 BMW Z4 ultimately comes down to personal preference. The automatic transmission offers convenience, particularly in stop-and-go traffic. However, the manual transmission provides a level of driver engagement and control that elevates the driving experience, creating a connection not possible with an automatic. The automatic option may be slightly quicker in terms of acceleration times, but the manual allows for greater driver control and finesse. This is a particularly important factor when driving on challenging roads with curves and elevation changes. Consider your driving style and priorities when making this crucial decision. If pure driving enjoyment is your goal, the manual transmission in the 2023 BMW Z4 is the clear winner.

## **The Ownership Experience: Living with a Manual Transmission**

Owning a car with a manual transmission requires a different level of engagement compared to an automatic. While the initial learning curve may be steeper, the rewards are substantial. Daily driving might require a little more effort, particularly in congested urban environments, but the enjoyment derived from driving on open roads or winding mountain passes makes it worthwhile. Maintenance costs may be slightly higher for a manual transmission over time, but with proper care and regular servicing, the 2023 BMW Z4 manual transmission should provide years of reliable performance.

# Finding the Right 2023 BMW Z4 Manual Transmission

The 2023 BMW Z4 manual transmission is a rare and sought-after option. Finding one may require more searching than finding an automatic model. Online marketplaces, certified pre-owned dealerships, and even independent BMW specialists can be excellent resources in locating a vehicle with this specific configuration. Thorough inspection before purchasing is vital, particularly focusing on the condition of the clutch, gearbox, and shifter.

## Conclusion

The 2023 BMW Z4 manual transmission represents a commitment to delivering a pure and engaging driving experience. While automatics offer convenience, the manual option provides a heightened connection between driver and machine, transforming each journey into a more rewarding and memorable event. For those who appreciate the art of driving and the visceral thrill of manual shifting, the 2023 BMW Z4 manual transmission is a truly exceptional choice.

## FAQs

1. What is the fuel economy of the 2023 BMW Z4 with a manual transmission? Fuel economy will vary depending on driving style and conditions, but expect slightly lower figures compared to the automatic due to the inherent inefficiencies of manual shifting.
1. Is the 2023 BMW Z4 manual transmission difficult to learn? With some practice, the manual transmission in the Z4 is relatively easy to learn. The light clutch and precise shifting mechanism aid in the learning process.
1. How much does the 2023 BMW Z4 manual transmission cost compared to the automatic? The manual transmission option might be slightly cheaper, but this depends on the overall package and the dealer.
1. What is the maintenance schedule for the 2023 BMW Z4 manual transmission? Consult your owner's manual for the recommended maintenance schedule. Regular fluid changes and inspections are crucial for long-term reliability.
1. Are there any performance differences between the manual and automatic transmissions? The automatic might be marginally quicker in 0-60 mph times, but the manual offers greater driver control and engagement.

1. Can I use a different type of transmission fluid in the manual transmission? Always use the recommended transmission fluid specified by BMW in your owner's manual.
1. Where can I find parts for the manual transmission if I need repairs? BMW dealerships and specialized parts suppliers are good sources for parts.
1. What are the common problems with the 2023 BMW Z4 manual transmission? There haven't been widely reported major problems, however, typical wear and tear on clutches and synchros over time should be anticipated.
1. Is the 2023 BMW Z4 manual transmission suitable for beginners? While manageable for beginners, it requires practice and skill to master.

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**2023 bmw z4 manual transmission: BMW Z3 and Z4** James Taylor, 2017-03-31 BMW, that most performance-oriented of car companies, had no affordable sports roadster in its line-up before 1995. Stung into action by Mazda's revival of the classic two-seater roadster, the Germany company quickly staked its claim with the Z3, a classic long-nose, short-tail design that used existing BMW mechanical hardware to good effect. This new book tells the story of BMW's Z3 and Z4 two-seater roadsters and coupes, which since 1995 have been at the forefront of the affordable sports car market. The history of the Z3 and both generations of Z4 are covered as well as full specifications of all models; the formidable M Power derivatives and a guide to buying and owning. The book is profusely illustrated with over 200 colour photographs and diagrams. Contents include: Historical background to BMW's arrival in the two-seater sports car market; Complete history of the Z3 and both generations of Z4; Full specifications of all models; The formidable M Power derivatives; Guide to buying and owning.

**2023 bmw z4 manual transmission: BMW X3 (E83) Service Manual: 2004, 2005, 2006, 2007, 2008, 2009, 2010: 2.5i, 3.0i, 3.0si, Xdrive 30i** Bentley Publishers, 2015-01-26 The BMW X3 (E83) Service Manual: 2004-2010 contains in-depth maintenance, service and repair information for the BMW X3 from 2004 to 2010. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself BMW owner, this manual helps you understand, care for and repair your BMW. Engines covered: M54 engine: 2.5i, 3.0i (2004-2006) N52 engine: 3.0si, xDrive 30i (2007-2010) Transmissions covered: Manual: ZF GS6-37BZ (6-speed) Automatic: GM A5S390R (5-speed) Automatic: GM GA6L45R (6-speed)

**2023 bmw z4 manual transmission: The Complete Book of BMW** Tony Lewin, The Complete Book of BMW is a master work. The word 'definitive' is a bold claim but this book should be viewed in this light. It is the most comprehensive survey of BMW Group models from the 501 right up to this year's 1 and 6 Series published in the English language. Data tables covering specifications, production volumes and prices will be invaluable to the BMW enthusiast and the layout and production volumes are second to none. Tony Lewin deserves high praise for this outstanding book. - Chris Willows, Corporate Communications Director, BMW Great Britain BMW is the most remarkable phenomenon to hit the auto industry in a generation. Celebrated for its luxury sports cars, motorcycles and aero engines in the pre-war era, it squandered its glamorous heritage in the 1950s; on its knees and near-bankrupt, it was rejected as a lost cause when offered by desperate banks to Mercedes-Benz. But thanks to a wealthy German aristocrat, a brilliant engineer and a young and inspirational manager, Mercedes would soon regret not having scooped up the once-glorious firm: pioneering the concept of the compact, high-quality sports saloon, the visionary new team systematically built BMW into the spectacular success we know today. Through the most expressive medium of all - the cars themselves - The Complete Book of BMW tells the story of one of the most remarkable turnarounds of the century. From the iconic 2002tii of the 1960s through the mighty M3 of the 1990s to today's born-again MINI and the crowning glory of the Rolls-Royce Phantom.- Every model since 1962- Technical specifications and performance data- Production and sales data- Key decisions that made BMW great- Von Kuenheim's brilliant template- Taking technology leadership- 1,600 color photographs- The new focus: premium at every levelAbout the AuthorTony Lewin is an automotive writer and commentator specializing in the business and design sides of the auto industry. He has reported on the automobile sector for more than two decades as editor of industry publications such as What Car?, Financial Times Automotive World and World Automotive Manufacturing, and as a regular columnist in magazines and newspapers in Europe, Japan and the United States.General AudienceThe Complete Book of BMW tells the remarkable story of the company and its cars. From the luxury sports cars and motorcycles of the pre-war era through its rebirth at the hands of a wealthy German aristocrat, a brilliant engineer, and an inspired manager during the past two decades, the book uses the most expressive medium of all-the cars themselves-to illustrate the story of one of the most remarkable turnarounds in automotive history.

**2023 bmw z4 manual transmission: BMW 3 Series (E46) Service Manual** Bentley Publishers,

2010-10-01 This BMW Repair Manual: 3 Series (E46): 1999-2005 is a comprehensive source of service information and technical specifications available for the BMW E46 platform 3 Series models from 1999 to 2005. Whether you're a professional or a do-it-yourself BMW owner, this manual will help you understand, care for and repair your car. Though the do-it-yourself 3 Series owner will find this manual indispensable as a source of detailed maintenance and repair information, the owner who has no intention of working on his or her car will find that reading and owning this manual will make it possible to discuss repairs more intelligently with a professional technician. BMW E46 models and engines covered in this repair manual: \* 323i/Ci (M52 TU, 2.5 liter engine) \* 328i/Ci (M52 TU, 2.8 liter engine) \* 325i/Ci/xi (M54 / M56, 2.5 liter engine) \* 330i/Cis/xi (M54, 3.0 liter engine) \* M3 (S54, 3.2 liter Motorsport engine)

**2023 bmw z4 manual transmission: Classic Car** DK, 2023-04-11 From the Chevrolet Bel Air to the Ferrari Testarossa, this stunning book showcases the most iconic and important classic cars from every decade since the 1940s. Few things ignite such reverence as a classic car. With more than 250 iconic models from the 1940s to the early 1990s, photographed from every angle, this title is a glorious celebration of the stars in the classic car firmament. Classic Car brings you the story of more than 20 great marques, including household names Bentley, Mercedes, Ferrari, Cadillac and Aston Martin. Its lavish photography reveals every detail in close-up of models that range from the 1940s giant two-ton Daimler DE36, which ferried royals about in style, through to sleek Ferraris from the 1980s capable of smashing the 200mph barrier. It puts you in the driving seat of such icons as the Chevrolet Corvette, the Ford Thunderbird, and the Mercedes 300SL, and brings you the designers of these amazing machines and the story of their manufacturers. This ultimate guide to classic cars further features: - A comprehensive catalog that draw out the key features of each important model, with detailed profiles and specification. - Feature pages broaden the scope of the book, covering everything from the designers and manufacturers who created them to their evolution over the decades. - Stunningly shot DPS images add an extra layer of color and flavor to the book. - Written by award-winning author and expert on all aspects of motoring, Giles Chapman, Editor-in-Chief of DK's The Car Book, which has sold over 550,000 copies worldwide to date. Updates will include the key models that have grown in popularity since the last edition. Whether you dream of owning one of these super-cool cars, or you are a collector already, Classic Car is set to become a treasured favorite.

**2023 bmw z4 manual transmission: Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles** National Research Council, Division on Engineering and Physical Sciences, Board on Energy and Environmental Systems, Committee on the Assessment of Technologies for Improving Fuel Economy of Light-Duty Vehicles, Phase 2, 2015-09-28 The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas emission standards. By the end of the next decade, cars and light-duty trucks will be more fuel efficient, weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be more effective than others? Written to inform The United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles estimates the cost, potential efficiency

improvements, and barriers to commercial deployment of technologies that might be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

**2023 bmw z4 manual transmission:** *Vehicle Dynamics* Reza N. Jazar, 2013-11-19 This textbook is appropriate for senior undergraduate and first year graduate students in mechanical and automotive engineering. The contents in this book are presented at a theoretical-practical level. It explains vehicle dynamics concepts in detail, concentrating on their practical use. Related theorems and formal proofs are provided, as are real-life applications. Students, researchers and practicing engineers alike will appreciate the user-friendly presentation of a wealth of topics, most notably steering, handling, ride, and related components. This book also: Illustrates all key concepts with examples Includes exercises for each chapter Covers front, rear, and four wheel steering systems, as well as the advantages and disadvantages of different steering schemes Includes an emphasis on design throughout the text, which provides a practical, hands-on approach

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**2023 bmw z4 manual transmission: Marine Diesel Basics 1** Dennison Berwick, 2017-05-11 Seeing is Understanding. The first VISUAL guide to marine diesel systems on recreational boats. Step-by-step instructions in clear, simple drawings explain how to maintain, winterize and recommission all parts of the system - fuel deck fill - engine - batteries - transmission - stern gland - propeller. Book one of a new series. Canadian author is a sailor and marine mechanic cruising aboard his 36-foot steel-hulled Chevrier sloop. Illustrations: 300+ drawings Pages: 222 pages Published: 2017 Format: softcover Category: Inboards, Gas & Diesel

**2023 bmw z4 manual transmission: BMW 3 Series Service Manual: M3, 318i, 323i, 325i, 328i, Sedan, Coupe and Convertible 1992, 1993, 1994, 1995, 1996, 1997, 1998** Bentley Publishers, 2012-06-01 The BMW 3 Series (E36) Service Manual: 1992-1998 is a comprehensive, single source of service information and specifications specifically for E36 platform BMW 3 Series models from 1989 to 1995. E36 models and engines covered: \* 318i/is/iC (M42 - 1.8 liter engine) (M44 - 1.9 liter engine, OBD II) \* 323is/iC (M52 - 2.5 liter engine, OBD II) \* 325i/is/iC (M50 - 2.5 liter engine) \* 328i/is/iC (M52 - 2.8 liter engine, OBDII) \* M3 (S50US - 3.0 liter engine) (S52US - 3.2 liter engine, OBD II)

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electromagnetic modeling in general, the Transmission Line Matrix (TLM) method, the application of network concepts to electromagnetic field modeling, circuit and system applications and, finally, with broadband devices, systems and measurement techniques.

**2023 bmw z4 manual transmission: BMW 3-Series Automotive Repair Manual** Robert Phillip Maddox, Joe L. Hamilton, John Harold Haynes, 2006-11 Models covered: BMW 3-Series models, E46 chassis (1999 through 2005) and Z4 models (2003-through 2005) ; does not include the 318ti, 323is, 328is, Z3, or information specific to M3 models or all-wheel drive models.

**2023 bmw z4 manual transmission: BMW 3 Series (F30, F31, F34) Service Manual: 2012, 2013, 2014, 2015: 320i, 328i, 328d, 335i, Including Xdrive** Bentley Publishers, 2016-02-16 The BMW 3 Series (F30, F31, F34) Service Manual: 2012-2015 contains in-depth maintenance, service and repair information for the BMW 3 Series from 2012 to 2015. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself BMW owner, this manual helps you understand, care for and repair your 3 Series. Engines (Gasoline): N20 engine: 320i, 328i, including xDrive N26 (SULEV) engine: 328i including xDrive N55 engine: 335i, including xDrive

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**2023 bmw z4 manual transmission: Materials Chemistry** Bradley D. Fahlman, 2018-08-28 The 3rd edition of this successful textbook continues to build on the strengths that were recognized by a 2008 Textbook Excellence Award from the Text and Academic Authors Association (TAA). Materials Chemistry addresses inorganic-, organic-, and nano-based materials from a structure vs. property treatment, providing a suitable breadth and depth coverage of the rapidly evolving materials field — in a concise format. The 3rd edition offers significant updates throughout, with expanded sections on sustainability, energy storage, metal-organic frameworks, solid electrolytes, solvothermal/microwave syntheses, integrated circuits, and nanotoxicity. Most appropriate for Junior/Senior undergraduate students, as well as first-year graduate students in chemistry, physics, or engineering fields, Materials Chemistry may also serve as a valuable reference to industrial researchers. Each chapter concludes with a section that describes important materials applications, and an updated list of thought-provoking questions.

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**2023 bmw z4 manual transmission:** The Wankel Engine: Design, Development, Applications Jan P. Norbye, 1971

**2023 bmw z4 manual transmission: BMW Z Cars** Jackie Jouret, 2021-05-06 History of BMW's roadsters and their coupe derivatives, from the 1930 Wartburg to the current G29 Z4 and i8 Roadster. Includes extensive development detail about Z1, Z3, Z4, and i8 roadsters, as well as BMW's roadster and coupe concept cars, race cars, and Art Cars.

**2023 bmw z4 manual transmission: BMW 5 Series (E60, E61) Service Manual: 2004, 2005, 2006, 2007, 2008, 2009, 2010: 525i, 525xi, 528i, 528xi, 530i, 530xi, 535i, 535xi, 545i, 550i** Bentley Publishers, 2011-09-23 The BMW 5 Series (E60, E61) Service Manual: 2004-2010 contains in-depth maintenance, service and repair information for the BMW 5 Series from 2004 to 2010. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself BMW owner, this manual helps you understand, care for and repair your BMW. discuss repairs more intelligently with a professional technician. Models covered 525i and 530i \* M54 engine (2004-2005) \* N52 engine (2006-2007) 528i \* N52K engine (2008-2010) 535i \* N54 twin turbo engine (2008-2010) 545i \* N62 V8 engine (2004-2005) 550i \* N62 TU V8 engine (2006-2010)

**2023 bmw z4 manual transmission: MG TF Workshop Manual** Rover Company, 2006-06 This fully illustrated, official Workshop manual includes 'K' Series Engine Overhaul Manual, PG1 Manual Gearbox Overhaul Manual and MG TF Electrical Library including Circuit Diagrams.

**2023 bmw z4 manual transmission:** National Automotive Sampling System, Crashworthiness Data System , 1995

**2023 bmw z4 manual transmission: The C++ Programming Language** Bjarne Stroustrup, 2013-07-10 The new C++11 standard allows programmers to express ideas more clearly, simply, and directly, and to write faster, more efficient code. Bjarne Stroustrup, the designer and original implementer of C++, has reorganized, extended, and completely rewritten his definitive reference and tutorial for programmers who want to use C++ most effectively. The C++ Programming Language, Fourth Edition, delivers meticulous, richly explained, and integrated coverage of the entire language—its facilities, abstraction mechanisms, standard libraries, and key design techniques. Throughout, Stroustrup presents concise, “pure C++11” examples, which have been carefully crafted to clarify both usage and program design. To promote deeper understanding, the author provides extensive cross-references, both within the book and to the ISO standard. New C++11 coverage includes Support for concurrency Regular expressions, resource management pointers, random numbers, and improved containers General and uniform initialization, simplified for-statements, move semantics, and Unicode support Lambdas, general constant expressions, control over class defaults, variadic templates, template aliases, and user-defined literals Compatibility issues Topics addressed in this comprehensive book include Basic facilities: type, object, scope, storage, computation fundamentals, and more Modularity, as supported by namespaces, source files, and exception handling C++ abstraction, including classes, class hierarchies, and templates in support of a synthesis of traditional programming, object-oriented programming, and generic programming Standard Library: containers, algorithms, iterators, utilities, strings, stream I/O, locales, numerics, and more The C++ basic memory model, in depth This fourth edition makes C++11 thoroughly accessible to programmers moving from C++98 or other languages, while introducing insights and techniques that even cutting-edge C++11 programmers will find indispensable. This book features an enhanced, layflat binding, which allows the book to stay open more easily when placed on a flat surface. This special binding method—noticeable by a small space inside the spine—also increases durability.

**2023 bmw z4 manual transmission: Victory in Disguise** David Arogbonlo, 2021-03-16 VICTORY IN DISGUISE is about knowing that God is up to something amazing in the midst of your inexplicable life experiences. You will know that whatever happens that God has your back and He is doing a work behind the scenes that cannot be explained by merely looking at the problem. It explains the workings of God for those that will not allow their faith to crack. What might often seem

to have come to seal your doom are often things that are meant to bring you to victory!

**2023 bmw z4 manual transmission:** BMW 7 Series (E38) Service Manual Bentley Publishers, 2007-06-01 The BMW 7 Series (E38) Service Manual: 1995-2001 is a comprehensive source of service information and technical specifications available for the BMW 7 Series models from 1995 to 2001. Whether you're a professional or a do-it-yourself BMW owner, this manual will help you understand, care for and repair your car. Models, engines and transmissions covered: \* 740i, 740iL: M60 4.0 liter, M62 or M62 TU 4.4 liter \* 750iL: M73 or M73 TU 5.6 liter Engine management systems (Motronic): \* Bosch M3.3 (OBD I) \* Bosch M5.2 (OBD II) \* Bosch M5.2.1 (OBD II) \* Bosch M5.2.1 (OBD II / LEV) \* Bosch ME 7.2 (OBD II) Automatic transmissions \* A5S 560Z \* A5S 440Z

**2023 bmw z4 manual transmission:** *Firebird and Trans Am* William G. Holder, Phillip Kunz, 2008-04 For 40 years, Pontiac's Firebird and Trans Am have delivered pure performance and captivating style. Inside Firebird and Trans Am, the power of Pontiac practically jumps off the pages as more than 80 photos plus engaging text offer a complete look at the reign of these American classics. Strap yourself in and enjoy the ride as you look back at the inaugural Trans Am, Recaro Special Editions, 21st century models and more!

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