

## Edc16c39 Pinout

When automotive manufacturers stuffed large V-8 engines into intermediate-size cars, the American muscle car was born. Built from 1964 on, the vast majority of these amazingly fast machines did not carry cutting-edge chassis and suspension systems, and now these cars are up to 50 years old. Today, owners do not have to settle for poor handling and ride quality. Muscle car and suspension expert Mark Savitske has built his business, Savitske Classic and Custom, on making muscle cars handle and ride at their best. With this updated edition, Savitske shows you what it takes to transform the handling of these high-horsepower machines. He explains the front and rear suspension geometry so you understand how it functions, and in turn, you realize how to get the most from a particular system. He also reveals the important aspects of spring rates, shock dampening, and ride height so you select the best spring and shock package for your car and application. He discusses popular high-performance tubular suspension arms and sway bars, so you can find the right combination of performance and adjustability. The suspension system has to operate as an integrated part of the car, so you're shown how to select best suspension package for a well-balanced and responsive car. He also discusses how to extract maximum performance from popular GM, Ford, and Mopar muscle cars. You can harness the potential performance potential of your muscle car and put much more power to the ground with critical chassis and suspension updates and products. A muscle car that carries modern suspension technology not only provides far better handling and ride comfort, but it is also much safer. How to Make Your Muscle Car Handle is the essential guide to unlocking the handling and performance potential of your muscle car. If you yearn for better handling, comfort, and performance for your muscle car, this is the book for you.

The Practical Pumping Handbook is a practical account of pumping, piping and seals starting with basics and providing detailed but accessible information on all aspects of the pumping process and what can go wrong with it. Written by an acknowledged expert with years of teaching experience in the practical understanding of pumps and systems. Aids understanding of pumps to minimize failures and time-out A practical handbook covering the basics of the pumping process Written by an acknowledged expert

The General Motors G-Body is one of the manufacturer's most popular chassis, and includes cars such as Chevrolet Malibu, Monte Carlo, and El Camino; the Buick Regal, Grand National, and GNX; the Oldsmobile Cutlass Supreme; the Pontiac Grand Prix, and more. This traditional and affordable front engine/rear-wheel-drive design lends itself to common upgrades and modifications for a wide range of high-performance applications, from drag racing to road racing. Many of the vehicles GM produced using this chassis were powered by V-8 engines, and others had popular turbocharged V-6 configurations. Some of the special-edition vehicles were outfitted with exclusive performance upgrades, which can be easily adapted to other G-Body vehicles. Knowing which vehicles were equipped with which options, and how to best incorporate all the best-possible equipment is thoroughly covered in this book. A solid collection of upgrades including brakes, suspension, and the installation of GMs most popular modern engine-the LS-Series V-8-are all covered in great detail. The aftermarket support for this chassis is huge, and the interchangeability and affordability are a big reason for its popularity. It's the last mass-produced V-8/rear-drive chassis that enthusiasts can afford and readily modify. There is also great information for use when shopping for a G-Body, including what areas to be aware of or check for possible corrosion, what options to look for and what should be avoided. No other book on the performance aspects of a GM G-Body has been published until now, and this book will serve as the bible to G-Body enthusiasts for years to come.

Saints, Signs, and Symbols, which was first published in 1962, contains in compact form all the main symbols used in the Church, complete with notes on their origin, meaning, and colouring. Of particular interest is the section on the Saints, which includes brief biographical details of each. "This is an indispensable handbook for teaching at all age levels."—Kirkus Review

Electric and Hybrid Vehicles: Power Sources, Models, Sustainability, Infrastructure and the Market reviews the performance, cost, safety, and sustainability of battery systems for hybrid electric vehicles (HEVs) and electric vehicles (EVs), including nickel-metal hydride batteries and Li-ion batteries. Throughout this book, especially in the first chapters, alternative vehicles with different power trains are compared in terms of lifetime cost, fuel consumption, and environmental impact. The emissions of greenhouse gases are particularly dealt with. The improvement of the battery, or fuel cell, performance and governmental incentives will play a fundamental role in determining how far and how substantial alternative vehicles will penetrate into the market. An adequate recharging infrastructure is of paramount importance for the diffusion of vehicles powered by batteries and fuel cells, as it may contribute to overcome the so-called range anxiety." Thus, proposed battery charging techniques are summarized and hydrogen refueling stations are described. The final chapter reviews the state of the art of the current models of hybrid and electric vehicles along with the powertrain solutions adopted by the major automakers. Contributions from the worlds leading industry and research experts Executive summaries of specific case studies Information on basic research and application approaches

The BMW 3 Series set the benchmark for performance and luxury. Yet even at this high standard, these cars can be dramatically improved. Each major component group of the car can be modified or upgraded for more performance, so you can build a better car that's balanced and refined.

Deals with contemporary cultural and community topics with the help of engaging essays Provokes further thought through questions Includes writing activities based on the essays to help readers write in Spanish as they take a stand on an issue Contains a minimum of two readings in each chapter, each presenting different aspects of a particular debate on topics

A definitive account of the popular Ducati Desmodue - the reliable, affordable, high-performance motorcycle range that boasts one of the most successful Italian motorcycles of all time, the Ducati Monster, and is still in development today. Including full production histories, comprehensive specification details and owners' experiences, this new book covers the history of Ducati and the rise of the brand in the 1970s and Grand Prix racing with Fabio Taglioni's desmodromic valve engine design. The world-beating TT2 and TT1 racers are covered along with the best-selling Ducati Monster, the Desmodue 900SS and the SportClassic range. With the Scrambler, and new Ducati factories in Thailand and Brazil, the Desmodue story is brought right up to date - a story based a wonderful corner of Italy, some very special motorcycles and the astonishing people who made it all happen. Fully illustrated with 211 colour photographs.

In Thermal Physics: Thermodynamics and Statistical Mechanics for Scientists and Engineers, the fundamental laws of thermodynamics are stated precisely as postulates and subsequently connected to historical context and developed mathematically. These laws are applied systematically to topics such as phase equilibria, chemical reactions,

external forces, fluid-fluid surfaces and interfaces, and anisotropic crystal-fluid interfaces. Statistical mechanics is presented in the context of information theory to quantify entropy, followed by development of the most important ensembles: microcanonical, canonical, and grand canonical. A unified treatment of ideal classical, Fermi, and Bose gases is presented, including Bose condensation, degenerate Fermi gases, and classical gases with internal structure. Additional topics include paramagnetism, adsorption on dilute sites, point defects in crystals, thermal aspects of intrinsic and extrinsic semiconductors, density matrix formalism, the Ising model, and an introduction to Monte Carlo simulation. Throughout the book, problems are posed and solved to illustrate specific results and problem-solving techniques. Includes applications of interest to physicists, physical chemists, and materials scientists, as well as materials, chemical, and mechanical engineers Suitable as a textbook for advanced undergraduates, graduate students, and practicing researchers Develops content systematically with increasing order of complexity Self-contained, including nine appendices to handle necessary background and technical details

The familiar yellow Technical Instruction series from Bosch have long proved one of their most popular instructional aids. They provide a clear and concise overview of the theory of operation, component design, model variations, and technical terminology for the entire Bosch product line, and give a solid foundation for better diagnostics and servicing. Clearly written and illustrated with photos, diagrams and charts, these books are equally at home in the vocational classroom, apprentices toolkit, or enthusiasts fireside chair. If you own a car, especially a European one, you have Bosch components and systems. Covers:-Lambda closed-loop control for passenger car diesel engines-Functional description-Triggering signals

Human beings are inherently sensual. We all share the want and need to indulge in a thirst until no longer thirsty. We want to feel the sensation of a soft touch that makes the body vibrate. We long for satisfaction that feeds the soul with warmth, be it physical or emotional. Skye is a bit naive when it comes to relationships. Montgomery is the on again, off again love of her life. Chelsea is the new age college roommate, while Terri is emotional, plain and simple. How will they navigate the world of love, lies, lust, and heartache? They are each swept up in a whirlwind of confusion. Is Skye the innocent damsel in the distress she first appears, or is she a sexually charged vixen? Lines are blurred as Skye takes on men and women in a world of erotic and mind-boggling relationships. Lust has a way of fooling people into thinking it's love, and as lust becomes Skye's fixation, who will pay the highest price: the lover, the cousin, or the wife?

Whether repairing existing components, fabricating new ones, building a race car, or restoring a classic, this is the one book to guide the reader through each critical stage. Basic Electronics is an elementary text designed for basic instruction in electricity and electronics. It gives emphasis on electronic emission and the vacuum tube and shows transistor circuits in parallel with electron tube circuits. This book also demonstrates how the transistor merely replaces the tube, with proper change of circuit constants as required. Many problems are presented at the end of each chapter. This book is comprised of 17 chapters and opens with an overview of electron theory, followed by a discussion on resistance, inductance, and capacitance, along with their effects on the currents flowing in circuits under constant applied voltages. Resistances, inductances, and capacitances in series and parallel are considered. The following chapters focus on impedance and factors affecting impedance; electronics and electron tubes; semiconductors and transistors; basic electronic circuits; and basic amplifier circuits. Tuned circuits, basic oscillator circuits, and electronic power supplies are also described, together with transducers, antennas, and modulators and demodulators. This monograph will serve as background training in theory for electronic technicians and as fundamental background for students who wish to go deeper into the more advanced aspects of electronics.

For the Vampire community, the Solstice Choosing has been the holiest night of the year - for a hundred thousand years. But this year, something new is about to happen. The oldest prophecies are about to be fulfilled - and the Festival of Blessings is finally upon us.

A short and entertaining introduction to thermodynamics that uses real-world examples to explain accessibly an important but subtle scientific theory A romantic description of the second law of thermodynamics is that the universe becomes increasingly disordered. But what does that actually mean? Starting with an overview of the three laws of thermodynamics, MacArthur "genius grant" winner R. Stephen Berry explains in this short book the fundamentals of a fundamental science. Readers learn both the history of thermodynamics, which began with attempts to solve everyday engineering problems, and ongoing controversy and unsolved puzzles. The exposition, suitable for both students and armchair physicists, requires no previous knowledge of the subject and only the simplest mathematics, taught as needed. With this better understanding of one science, readers also gain an appreciation of the role of research in science, the provisional nature of scientific theory, and the ways scientific exploration can uncover fundamental truths. Thus, from a science of everyday experience, we learn about the nature of the universe.

This textbook will help you learn all the skills you need to pass all Vehicle Electrical and Electronic Systems courses and qualifications. As electrical and electronic systems become increasingly more complex and fundamental to the workings of modern vehicles, understanding these systems is essential for automotive technicians. For students new to the subject, this book will help to develop this knowledge, but will also assist experienced technicians in keeping up with recent technological advances. This new edition includes information on developments in pass-through technology, multiplexing, and engine control systems. In full colour and covering the latest course specifications, this is the guide that no student enrolled on an automotive maintenance and repair course should be without. Designed to make learning easier, this book contains: Photographs, flow charts, quick reference tables, overview descriptions and step-by-step instructions. Case studies to help you put the principles covered into a real-life context. Useful margin

features throughout, including definitions, key facts and 'safety first' considerations.

Sheet metal is a common and widely used material, which can be easily worked using hand tools or simple machinery. There are lots of opportunities for designing, making and using sheet metal parts to produce elegant, effective and low cost solutions for new items, repairs and modifications to existing components. This new guide takes a practical approach to the manufacture of sheet metal parts, and explains how you can make full use of hand tools and machines to produce ambitious work of a high standard. Topics covered include the use of specialist tools such as snips, nibblers, folders, the jenny, the flypress, punches and dies; and techniques for manufacturing a wide range of sheet metal parts, including marking out, cutting, bending, joining and finishing. There are practical projects to illustrate the use of techniques and tools. Fully illustrated with 337 colour illustrations and 109 CAD diagrams.

In *How to Super Tune and Modify Holley Carburetors*, best selling author Vizard explains the science, the function, and most importantly, the tuning expertise required to get your Holley carburetor to perform its best for your performance application.

In a single useful volume, *Vibration Fundamentals* explains the basic theory, applications, and benefits of vibration analysis, which is the dominant predictive maintenance technique used with maintenance management programs. All mechanical equipment in motion generates a vibration profile, or signature, that reflects its operating condition. This is true regardless of speed or whether the mode of operation is rotation, reciprocation, or linear motion. There are several predictive maintenance techniques used to monitor and analyze critical machines, equipment, and systems in a typical plant. These include vibration analysis, ultrasonics, thermography, tribology, process monitoring, visual inspection, and other nondestructive analysis techniques. Of these techniques, vibration analysis is the dominant predictive maintenance technique used with maintenance management programs, and this book explains the basic theory, applications, and benefits in one easy-to-absorb volume that plant staff will find invaluable. This is the second book in a new series published by Butterworth-Heinemann in association with *PLANT ENGINEERING* magazine. *PLANT ENGINEERING* fills a unique information need for the men and women who operate and maintain industrial plants. It bridges the information gap between engineering education and practical application. As technology advances at increasingly faster rates, this information service is becoming more and more important. Since its first issue in 1947, *PLANT ENGINEERING* has stood as the leading problem-solving information source for America's industrial plant engineers, and this book series will effectively contribute to that resource and reputation. Provides information essential to industrial troubleshooting investigations Describes root-cause failure analysis Incorporates detailed equipment-design guidelines

*Power Control Circuits Manual* presents a comprehensive review of electronic power control. The book is comprised of eight chapters that deal with a specific aspect of power control. The text first discusses the basic principles of electrical-electronic power control, and then proceeds to presenting practical control circuits using conventional switches and relays. Chapter 3 discusses ways of using CMOS devices as low-power electronic switches, while Chapters 4 and 5 deal with AC and DC power control systems. Next, the book presents ways of controlling DC motors, and the remaining two chapters deal with audio power control and DC power supply systems, respectively. The book will be of great use to design engineers and technicians. Undergraduate students of electronics-related degree will also find this book interesting.

*Modelling, Dynamics and Control of Electrified Vehicles* provides a systematic overview of EV-related key components, including batteries, electric motors, ultracapacitors and system-level approaches, such as energy management systems, multi-source energy optimization, transmission design and control, braking system control and vehicle dynamics control. In addition, the book covers selected advanced topics, including Smart Grid and connected vehicles. This book shows how EV work, how to design them, how to save energy with them, and how to maintain their safety. The book aims to be an all-in-one reference for readers who are interested in EVs, or those trying to understand its state-of-the-art technologies and future trends. Offers a comprehensive knowledge of the multidisciplinary research related to EVs and a system-level understanding of technologies Provides the state-of-the-art technologies and future trends Covers the fundamentals of EVs and their methodologies Written by successful researchers that show the deep understanding of EVs

Whether starting from scratch with the basics of measuring and kitchen safety or creating a meal for the family, *Betty Crocker Kids Cook* is both teacher and creative outlet. Betty Crocker has been helping kids in the kitchen since 1957 with the publication of *Betty Crocker's Boys and Girls Cookbook*. *Betty Crocker Kids Cook* provides the same blend of teaching and creativity, helping today's kids learn to cook and have fun at the same time. The book has 66 I-want-to-make-that recipes, plus engaging illustrations and photos of each recipe that blend whimsy and practicality. The book covers Breakfast, Lunch, Snacks, Dinner and Desserts as well as kitchen essentials, including cooking safety and nutrition basics. This is the book that will teach kids to feel comfortable in the kitchen, whether assembling a healthy snack like Strawberry-Orange Smoothies or whipping up a dinner of Impossibly Easy Mini Chicken Pot Pies with Fresh Fruit Frozen Yogurt Pops for dessert.

"This book provides information on how to rebuild and modify GM 4L80E transmissions"--

*Diode, Transistor and FET Circuits Manual* is a handbook of circuits based on discrete semiconductor components such as diodes, transistors, and FETS. The book also includes diagrams and practical circuits. The book describes basic and special diode characteristics, heat wave-rectifier circuits, transformers, filter capacitors, and rectifier ratings. The text also presents practical applications of associated devices, for example, zeners, varicaps, photodiodes, or LEDs, as well as it describes bipolar transistor characteristics. The transistor can be used in three basic amplifier configurations, such as common-collector, common-emitter, or common-base. Oscillators and multivibrators use transistors as

linear amplifying elements or as digital switching elements, respectively. In other practical applications, bipolar transistors are used in audio pre-amp, tone control, and power amplifier applications. For example, the book illustrates the ideal form and location of the volume control where it is fully d.c-isolated from the pre-amplifier's output. The book cites other applications of transistor circuits in a noise limiter, in astable multivibrators, in L-C oscillators, and in lie detectors. This book is suitable for radio, television, and electronics technicians, design and application engineers, and students in electronics or radio communications.

These photographs form part of a project to document the area between Manchester and Oldham, England in 1984-1986.

Automotive Detailing in Detail takes the combined experience and expertise of three leading detailing commentators to provide a thorough and expansive overview of automotive detailing techniques. From the pre-wash, wash and preparation stages, through machine polishing to paint protection and maintenance, every detailing stage is covered: surface types, contaminants and products are analysed, before the actual processes are laid bare. In the age of the internet and social media, a plethora of detailing knowledge is available online, yet it is strangely difficult to discover completely, or harness usefully. This book redresses the balance. Aimed at motoring enthusiasts, car mechanics, restorers, valets and those thinking of setting up a valeting/car detailing business and illustrated throughout with 268 colour photographs and 36 line artworks.

Whatever your hydraulic applications, Practical Hydraulic Systems: Operation & Troubleshooting For Engineers & Technicians will help you to increase your knowledge of the fundamentals, improve your maintenance programs and become an excellent troubleshooter of problems in this area. Cutaways of all major components are included in the book to visually demonstrate the components' construction and operation. Developing an understanding of how it works leads to an understanding of how and why it fails. Multimedia views of the equipment are shown, to give as realistic a view of hydraulic systems as possible. The book is highly practical, comprehensive and interactive. It discusses Hydraulic Systems construction, design applications, operations, maintenance, and management issues and provides you with the most up-to-date information and Best Practice in dealing with the subject. \* A focus on maintenance and troubleshooting makes this book essential reading for practising engineers. \* Written to cover the requirements of mechanical / industrial and civil engineering. \* Cutaway diagrams demonstrate the construction and operation of key equipment.

This handbook places emphasis on the importance of correct interpretation of pumping requirements, both by the user and the supplier. Completely reworked to incorporate the very latest in pumping technology, this practical handbook will enable you to understand the principles of pumping, hydraulics and fluids and define the various criteria necessary for pump and ancillary selection. The Pump Users Handbook will prove an invaluable aid in ordering pump equipment and in the recognition of fundamental operational problems.

BASIC Fluid Mechanics combines the application of BASIC programming with fluid mechanics. Topics covered in this book include the fundamentals of the BASIC computer language, properties of fluids, fluid statics, kinematics, and conservation of energy. Force and momentum, viscous flow, flow measurement, and dimensional analysis and similarity are also considered. This book is comprised of nine chapters and begins with a brief introduction to the application of BASIC. The discussion then turns to the various properties of a fluid and the differences between fluids and solids. The chapters that follow explore fluid statics, kinematics, and conservation of energy. The Euler and Bernoulli equations that are used to express the principle of conservation of energy when applied to fluids are highlighted, and calculations for force and momentum are presented. The text also considers laminar flow between parallel plates and in circular tubes, as well as the techniques for measuring flow. The final chapter describes the principles of dimensional analysis and similarity methods. Worked examples developing programs for the solution of typical problems are provided at the end of each chapter. This monograph will be useful to students in an undergraduate program and practicing engineers who are attempting to get to grips with modern computational procedures.

This time honoured classic has been re-built completely: after six editions the editor has decided that a radical revision is necessary. The new edition has been developed as a result of intensive consultation with trainees in OB/GYN as to what they want, what they need and how they learn. The book is organised into two halves covering obstetrics and gynaecology. Within each, the chapters are structured into sections containing pedagogic features such as boxes, highlights and key points for the first time. It contains everything the clinician needs to practice the art of obstetrics and gynaecology and sufficient information to help sub-specialists develop their specific interests. This text is recommended reading for the Royal College of Obstetrics and Gynaecology membership examination. This seventh edition contains 21 new chapters: Anatomy of the Pelvis and Reproductive Tract Placenta and Fetal Membranes Antenatal Care Anaesthesia and Analgesia Recurrent Miscarriage Ectopic Pregnancy Trophoblastic Disease Genetics and Prenatal Diagnosis Drugs and Pregnancy Obstetric Emergencies Prolonged Pregnancy Renal Disease Termination of Pregnancy Imaging in Gynaecology PMS Assisted Reproduction Hysteroscopy and Laparoscopy Sexual Dysfunction Psychological Aspects of Pregnancy Domestic Violence and Sexual Assault - now on MRCOG curriculum Ethical Dilemmas This seventh edition has been significantly updated with a wide range of internationally renowned contributors who are all experts in their field, bringing this book to the cutting edge of knowledge in obstetrics and gynaecology. "It was my favourite textbook when I was working for my examinations and I am still using it. I can recommend this edition to current trainees wholeheartedly. It is certainly worth buying." Journal of Obstetrics and Gynaecology

Straight facts about riding! A Twist of the Wrist, the acknowledged number one book on rider improvement for ten years straight, brought riders worldwide to a new understanding of vital riding skills. Uncovers and traces, action by action, the direct links between man and machine.

Authored by veteran author John Baechtel, COMPETITION ENGINE BUILDING stands alone as a premier guide for enthusiasts and students of the racing engine. It will also find favor as a reference guide for experienced professionals for years to come.

CNC control of milling machines is now available to even the smallest of workshops. This allows designers to be more ambitious and machinists to be more confident of the production of parts, and thereby greatly increase the potential of milling at home. This new accessible guide takes a practical approach to software and techniques, and explains how you can make full use of your CNC mill to produce ambitious work of a high standard. Includes: Authoritative advice on programming and operating a CNC mill; Guide to the major CAD/CAM/CNC software such as Mach3, LinuxCNC and Vectric packages, without being restricted to any particular make of machine; Practical projects throughout and examples of a wide range of finished work; A practical approach to how you can make full use of your CNC mill to

produce ambitious work. Aimed at everyone with a workshop - particularly modelmakers and horologists. Superbly illustrated with 280 colour illustrations. Dr Marcus Bowman has been machining metal for forty years and is a lifelong maker of models, clocks and tools.

This last book in the six-volume series from NEXTmanga combines cutting-edge illustration with fast-paced storytelling to deliver biblical truth to an ever-changing, postmodern culture. More than 10 million books in over 40 different languages have been distributed worldwide in the series.

Diagnostics, or fault finding, is a fundamental part of an automotive technician's work, and as automotive systems become increasingly complex there is a greater need for good diagnostic skills. Advanced Automotive Fault Diagnosis is the only book to treat automotive diagnostics as a science rather than a check-list procedure. Each chapter includes basic principles and examples of a vehicle system followed by the appropriate diagnostic techniques, complete with useful diagrams, flow charts, case studies and self-assessment questions. The book will help new students develop diagnostic skills and help experienced technicians improve even further. This new edition is fully updated to the latest technological developments. Two new chapters have been added – On-board diagnostics and Oscilloscope diagnostics – and the coverage has been matched to the latest curricula of motor vehicle qualifications, including: IMI and C&G Technical Certificates and NVQs; Level 4 diagnostic units; BTEC National and Higher National qualifications from Edexcel; International Motor Vehicle qualifications such as C&G 3905; and ASE certification in the USA.

Hoping to start his life over after his prison release, ladies' man Seven finds himself tempted by the fast money of the drug trade when his day job fails to provide his desired lifestyle, a circumstance for which he teams up with a fellow ex-con for a high-stakes operation. Original. 60,000 first printing.

This one-stop Mega Reference eBook brings together the essential professional reference content from leading international contributors in the automotive field. An expansion the Automotive Engineering print edition, this fully searchable electronic reference book of 2500 pages delivers content to meet all the main information needs of engineers working in vehicle design and development. Material ranges from basic to advanced topics from engines and transmissions to vehicle dynamics and modelling. \* A fully searchable Mega Reference Ebook, providing all the essential material needed by Automotive Engineers on a day-to-day basis. \* Fundamentals, key techniques, engineering best practice and rules-of-thumb together in one quick-reference. \* Over 2,500 pages of reference material, including over 1,500 pages not included in the print edition

Stephen Pople, one of today's most respected science authors, has created a totally new physics book to prepare students for examinations. Complete Physics covers all syllabuses due to a unique combination of Core Pages and Further Topics. Each chapter contains core material valid for all syllabuses. Further Topics at the end can be selected to provide the right mix of pages for the syllabus you are teaching. Key Points: · Totally new book constructed from an analysis of all GCSE Physics syllabuses including IGCSE, CXC, and O'Level · Sets the traditional principles of physics in a modern and global perspective and uses illustrations with a worldwide context · Extra topics to give a truly rounded curriculum · Double-page spread format · Ideal for those students intending to take physics to a more advanced level

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