

New Release

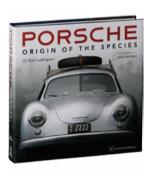
Porsche:

by Karl Ludvigsen

Porsche: Excellence was Expected, Karl Ludvigsen's masterwork, is the unrivaled history of the Porsche company, its cars, and its motor racing heritage from the first Gmünd coupe in 1948 through its sixty years as an independent car company to its continued success under the auspices of the Volkswagen Group. Now four volumes, 2,834 pages and with nearly 3,000 photos and illustrations, every page of this all new Excellence was **Expected** has been revised and redesigned.

If the first edition of *Excellence Was Expected* was "the definitive archetypal marque history," (Michael Scarlett, *Autocar*) this revision and update is much more so. Ludvigsen's masterwork is once again set to achieve new milestones, just as the company it chronicles continues to shape our very definition of the term "sports car."

Featured



Porsche-Origin of the Species.... 10

by Karl Ludvigsen

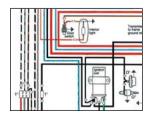
Jerry Seinfeld's Porsche Gmünd coupe 356/2-040 serves as the inspiration for this in-depth exploration by the automotive historian Karl Ludvigsen into the specific influences and circumstances that brought forth the first Porsche-badged sports cars.



Mechanical Ignition Handbook: The Hack Mechanic Guide to Vintage Ignition Systems 23, 44

by Rob Siegel

This Hack Mechanic guide explains how mechanical ignition works, and shows you how to troubleshoot mechanical ignition problems. Includes details on how to set dwell angle, point gap, timing and advance, and more.



Volkswagen Beetle and Karmann Ghia (Type 1) Service Manual: 1966-1969 . . . 35

A faithful reissue of the classic vintage Volkswagen Beetle and Karmann Ghia service manual, published in a durable hardcover edition.

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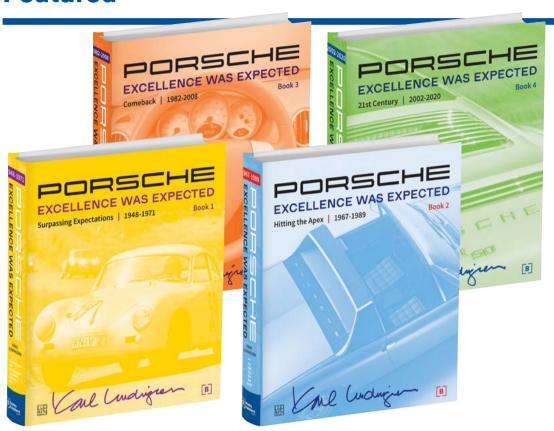
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Featured



Porsche: Excellence Was Expected

by Karl Ludvigsen

ISBN 978-0-8376-1769-5

Bentley Code: GPXS

Price: \$524.95

4 Volume Set

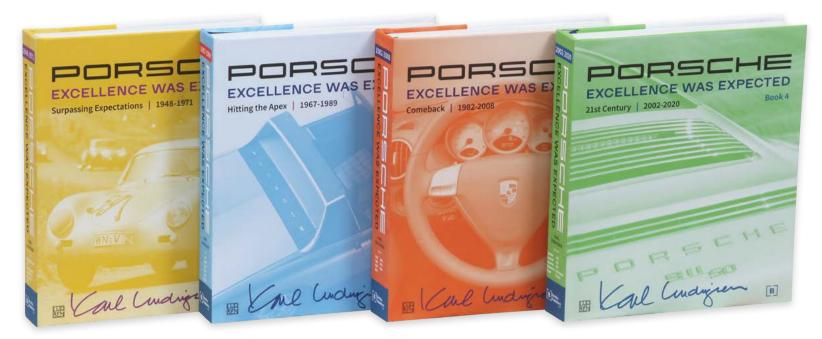
Hardcover, 9 in. x 10.5 in.

2,836 pages, 2,912 photos, illustrations and diagrams

Knowing this will be his final update to *Porsche: Excellence Was Expected*, Karl Ludvigsen has not been content to simply add on a few new chapters to the end of his magnum opus. Instead, he has gone back to the very beginning to revise the entire book, which now tops out at over a million words and 2,900 photos and illustrations! By his own account, "I knew some passages were not correct. More importantly, I wanted to leave *Excellence* in the best possible condition with all my later knowledge and that of others included and interpreted." To that end, Ludvigsen worked closely with the Porsche Archives as well as researching the many fresh interviews and recent memoirs that shed new light on the company and its products.

Remarkable both for its breadth of coverage and its technical depth, *Excellence was Expected* covers every road and racing car from the first Gmünd coupe through the development of the 2020 all-electric Taycan.

See the following pages for more information about *Porsche: Excellence Was Expected*.



Porsche: Excellence Was Expected

by Karl Ludvigsen

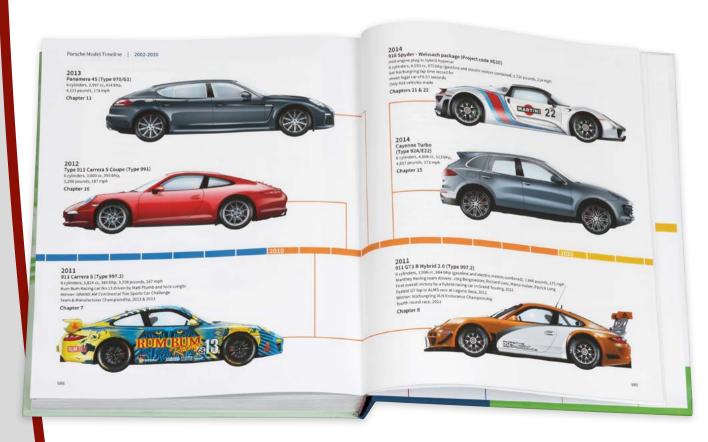
ISBN 978-0-8376-1769-5 **Bentley Code: GPXS**

Price: \$524.95

4 Volume Set Hardcover, 9 in. x 10.5 in. 2,836 pages, 2,912 photos, illustrations and diagrams **Porsche: Excellence was Expected**, Karl Ludvigsen's masterwork, is the unrivaled history of the Porsche company, its cars, and its motor racing heritage from the first Gmünd coupe in 1948 through its sixty years as an independent car company to its continued success with the 2020 Taycan under the auspices of the Volkswagen Group.

Over 40 years ago, Ludvigsen's first edition of *Porsche: Excellence was Expected* was hailed as "the definitive archetypal marque history," and updates in 2003 and 2008 continued to enhance that reputation. For this final update, the first in over 10 years, Ludvigsen reviewed newly available Porsche archival material, conducted new in-depth interviews, and unearthed many fresh facts that allowed new and sometimes surprising interpretations of many aspects of the Porsche company and its cars.

Now four volumes, 2,834 pages and with nearly 3,000 photos and illustrations, every page of this all new *Excellence was Expected* has been revised and redesigned.



Each volume includes a Porsche model timeline featuring detailed illustrations of significant production and racing models that were commissioned exclusively for Porsche: Excellence Was Expected.

Porsche: Excellence Was Expected Book 1: Surpassing Expectations 1948-1971

by Karl Ludvigsen

Hardcover, 9 in. x 10 1/2 in. 744 pages, 846 photos and illustrations



1 Surpassing Expectations 1948-1971

Production	Competition
356	550
America Roadster	550 A Spyder
Speedster	718
356 A	804 GP
356 B	Elva-Porsche
356 C	904/Carrera GTS
911	906/Carrera 6
912	911 R
911 S	910 Bergspyder
	907
	908
	909
	917K

Long an important force in the design of German automobiles, Porsche's fledgling effort at building its own vehicles occurred just after World War II in the unlikely location of a sawmill in Gmünd, Austria. From those modest beginnings, Book 1 of *Porsche:*Excellence Was Expected by Karl Ludvigsen takes the reader through Porsche's move back to Stuttgart and its first forays

Soon, in the tradition of Prof. Porsche, the company defined itself as one that found its own unique engineering

solutions to any challenge.

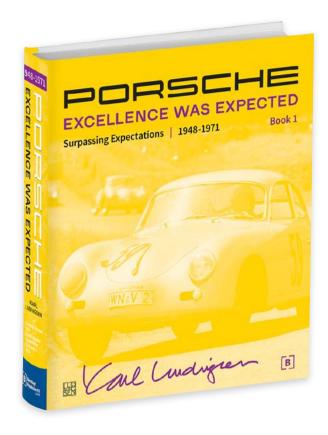
into racing with its road cars.

For its own cars that meant exploiting the Volkswagen formula of a rear-mounted air-cooled engine driving the rear wheels. Those challenges also included competition, first at the local level and then on the international stage.

Gradually the 356 evolved and matured. After a long and fruitful life it was superseded by the brilliant 911 in 1965. In the same way some of the old guard—such as Huschke von Hanstein who ran public relations and competitions—gave way to young leaders like Ferdinand Piëch. Meanwhile the company continued

its march towards the highest levels of motorsports contests, scoring victories in endurance racing, Formula One, rallying and in many different venues across the globe.

This first period of Porsche history was pivotal. Under Ferry Porsche the young car company confirmed its impeccable engineering credentials, became known globally through competition and continued its cautious expansion while remaining privately held and proudly independent of bankers. Just as this era of the company created the foundation for all of its future accomplishments, this first volume of Karl Ludvigsen's masterwork provides the building blocks for the fascinating history and developments to follow.





Butzi Porsche (right) poses with the 901, which showed the influence of his designs for the abandoned four-passenger T7 (Book 1, Chapter 35).



Porsche: Excellence Was Expected Book 2: Hitting the Apex 1967-1989

by Karl Ludvigsen

Hardcover, 9 in. x 10 1/2 in. 652 pages, 647 photos and illustrations



Hitting the Apex 1967-1989

Production	Competition
914	917
914.6	Carrera RSR
911	IROC Carrera
911 Turbo Carrera	934
912E	935
930 Turbo	924 Carrera
924	953
928	956
911 SC	962

As author Karl Ludvigsen reveals in Book 2 of *Porsche: Excellence Was Expected*, the 1970s and 1980s were years of intense innovation for the Porsche factory. In fact, 1970 was to see the tiny automaker fulfill a major goal: its first overall victory at Le Mans. The company became a force in every arena of motorsports it entered, including Can Am, where Mark Donohue, George Follmer and the mighty Penske Pacing

the mighty Penske Racing 917s literally decimated the competition. Ludvigsen discusses in depth the development and campaigning of

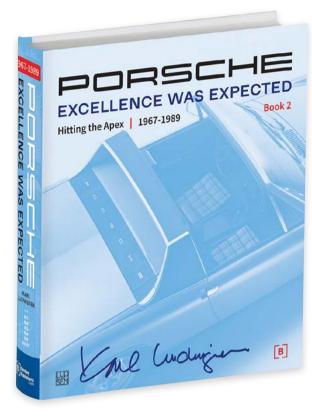
Porsche's thoroughbred racers from this seminal era.

Porsche had long known the benefits of placing an engine amidships for its racing cars. However, in the late 1960s, Porsche and Volkswagen collaborated on a mid-engined sports car for the road. The author describes the development of this vehicle as well as its fortunes in the market place and its ventures onto racing circuits. He even discusses the sole pair of potent 914-based sportscars powered by the company's eight-cylinder racing motor.

In the late 1970s, the company adopted front-mounted engines and water-cooling in a move that was expected to spell the end for the

venerable 911. The 924 and the impressive V-8 928 were both extremely successful in the American market, their primary target. Just as importantly, the Porsche engineers saw them as cars that could be more easily made to comply with ever-tightening Federal noise and emissions standards than the 911.

While detailing the company's models and its competition activities during this dynamic era for Porsche, Ludvigsen also explores the company's maturation process, the challenges facing the small automaker, and how it was to prepare for the future.





Inside the doors of the Turbo-look 911 Carrera and its sisters in 1985 were side-impact beams in all markets. (Book 2, Chapter 22).



Porsche: Excellence Was Expected Book 3: Comeback 1982-2008

by Karl Ludvigsen

Hardcover, 9 in. x 10 1/2 in. 742 pages, 846 photos and illustrations



3 Comeback 1982-2008

Production	Competition
959	959/961
928	McLaren-TAG F1
944	Porsche Carrera Cup
968	911 Carrera RS 3.8
911/964	911 Turbo 2/Turbo S2
911 Speedster	911 S LM GT
911 America Roadster	2708 Indycar
911 RS America	Footwork-Arrows FA12
911/993	911 Carrera RS 3.8
911/996	911 GT2
Boxster/986	WSC95
Cayenne/E1	911 GT1
Carrera GT	911 GT3
	911 GT3 RS

Porsche witnessed significant swings in its fortunes during the final two decades of the 20th Century. In Book 3 of *Porsche: Excellence Was Expected* author Karl Ludvigsen brings his industry experience and insider knowledge to bear in describing Porsche's pitfalls and its pivotal comeback.

In the mid-1980s, the company's exploration of the FIA's Group B resulted in the fabulous all-wheel-drive 959 of 1985. It was fast, sophisticated and beautiful. It was also a money loser for the company. In this same period, Porsche conquered the highest levels of Formula One with the McLaren-TAG team. In contrast, Porsche lost its way with

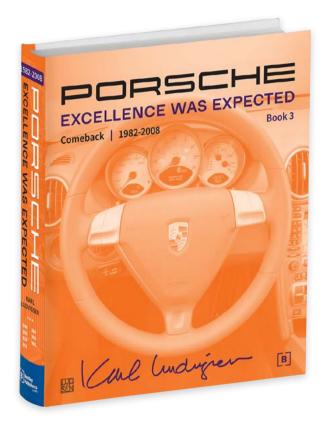
the CART program and experienced a disappointing return to Formula One in 1991 with the Footwork Arrows team.

The 924 evolved into the 944, with its muscular flanks and its torquey inline-four. Well-received, the 944 earned the respect of even the toughest journalists. Ludvigsen's account shows how this model proliferation and the rise of the dollar took its toll on Porsche.

With the return of manufacturing specialist Wendelin Wiedeking in 1992 came massive changes that led to new efficiencies within the

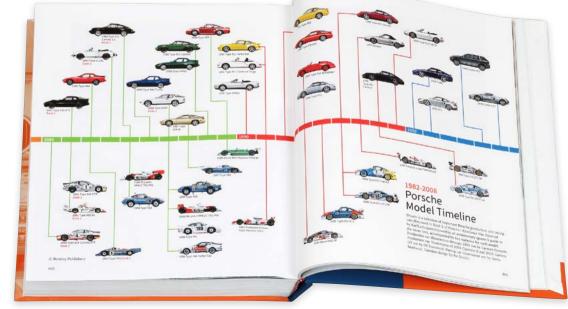
company. By the mid-1990s, the 911—as the Type 993—was Porsche's only product. Variations of the 911 also performed with distinction on the track, by way of the GT1, GT2 and GT3 racers available from the Porsche factory.

In addition, the company made a stock offering and reached into reserves to provide development funds for a pair of new automobiles. The resulting Boxster and Type 996 version of the 911 brought about a gradual resurgence for the little firm. Ludvigsen's Porsche history follows the carmaker into the first decade of the 21st century when the Cayenne SUV and the Carrera GT supercar expanded the Porsche product offering dramatically.





For the 2008 Transsiberia Rally the Cayennes were upgraded with rally dampers, better ramp angles and improved tires. In this, the last event of its kind, they filled the top five finishing places (Book 3, Chapter 28).



Porsche: Excellence Was Expected Book 4: 21st Century 2002-2020

by Karl Ludvigsen

Hardcover, 9 in. x 10 1/2 in. 652 pages, 647 photos and illustrations



4 21st Century

2 2020
Competition
RS Spyder
911 GT2
911 GT2 RS
911 GT3
911 GT3 RS
911 GT3 RS 4.0
911 GT3 RSR
911 GT3 Cup & Cup S
911 GT3 R
911 GT3 R Hybrid
Cayman GT4
918 RSR
919 Hybrid

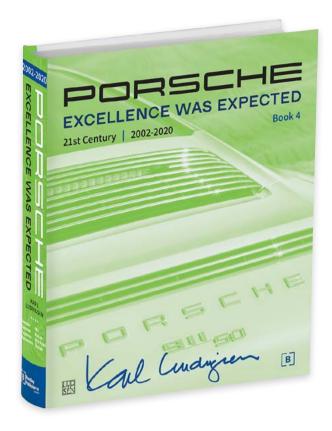
In Book 4 of *Porsche: Excellence Was Expected* Karl Ludvigsen recounts the dramatic events of 2008-09 that cast a deep shadow over what had been the world's most profitable car maker. Although the company became part of the VW Group, Porsche's reaction to the financial ructions was to launch one great new car after another. Among them was the sensational 918 Spyder, the hypercar whose first appearance at Geneva in 2010 went a long way to show that Porsche was still Porsche.

These were also the years of the creation and launch of the midengined Cayman coupe, which soon established a reputation as one of the world's best-handling sports cars. In 2016 Boxster and

Cayman were joined at the hip under the "718" title, a tribute to the great sports-racers of the 1950s and 1960s that carried that project number.

In 2009 Porsche introduced the Panamera, its most controversial offering since the Cayenne. Its complete overhaul in 2016 brought improved styling and new vee engines in a partnership with Audi. Many of the Panamera's components were shared with the Cayenne, which received a major upgrade in 2017. Since the 2014 model year it had a cheeky little sister, the Leipzig-built Macan. Also a fast seller, the Macan secured Porsche's financial future.

Flying the all-important sports-car flag was the evergreen 911 Carrera, first with the 997 and then the 991. The 992 arrived as a 2020 model with all the bells and whistles needed to keep it at the top of its class. Although a hybrid variant of the 992 was not imminent, most of the production Porsches were taking advantage of the exploits of the 919 Hybrid. Starting in 2015, this brilliantly engineered LMP1 racer won the 24 Hours of Le Mans three years running, testifying to Porsche's competitiveness. On the horizon was the all-electric Taycan pointing the way to the legendary sports-car maker's future.





Styling chief Harm Lagaaij admires a scale model of the new 997 version of the 911, shown here with fellow styling engineers Grant Larson (left) and Matthias Kulla (right). The new design is notable for the higher separation line between its rear bumper and bodywork. (Book 4, Chapter 4).





Karl Ludvigsen

A winner of numerous awards for his books and articles, Karl Ludvigsen has been active for 60 years as an automotive enthusiast, author and historian. As author, coauthor or editor he has more than five dozen books to his credit. Three of his books have received the Nicholas-Joseph Cugnot Award from the Society of Automotive Historians, which in 2002 gave him its highest accolade, Friend of Automotive History.

Ludvigsen's career includes a dozen years in the auto industry as an executive with General Motors, Fiat and Ford and 15 years as the head of a leading London-based motor-industry management-consulting company. Born in Kalamazoo, Michigan in 1934, Ludvigsen has lived in England since 1980. In addition to his work as an author and historian he is a contributor to leading periodicals and a frequent speaker on automotive topics.

Karl has been a Member of the Society of Automotive Engineers since 1960 and is currently a member of its Historical Committee. He is a founder member of the International Motor Press Association, member of the Society of Automotive Historians, the Society For the History of Technology and the Guild of Motoring Writers.

Other titles by Karl:

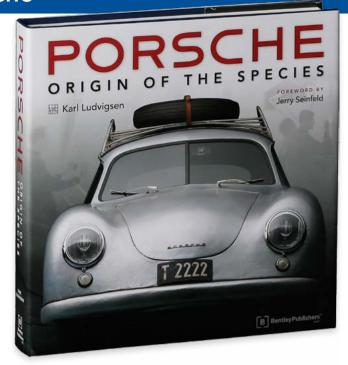
- Porsche—Origin of the Species (page 10)
- Corvette—America's Star-Spangled Sports Car:
 The Complete History 1952–1986 (page 60)
- Battle for the Beetle (page 33)
- Ferdinand Porsche Genesis of Genius (page 11)
- •The V12 Engine (page 46)
- Classic Racing Engines (page 46)

Awards include

- 2012 Dean Batchelor award for Porsche — Origin of the Species
- Best Book of 2012 by the Motor Press Guild for Porsche Origin of the Species
- 2009 Nicholas-Joseph Cugnot Award for Ferdinand Porsche — Genesis of Genius
- 2008 Mercedes-Benz Montagu of Beaulieu Award for Ferdinand Porsche — Genesis of Genius
- 2004 IAMA for Best Marque History and Best of Books for Porsche: Excellence was Expected
- 2002 Friend of Automotive History Award from the Society of Automotive Historians
- 2000 Nicholas-Joseph Cugnot Award for Battle for the Beetle



Porsche



Porsche-Origin of the Species

by Karl Ludvigsen

Foreword by Jerry Seinfeld

Bentley Stock No: GPGC

Price: \$149.95

ISBN 978-0-8376-1331-4

Hardcover, 10 1/2 in. x 10 1/2 in. 356 pages with 436 photos and illustrations

Within Jerry Seinfeld's renowned Porsche collection resides an unassuming yet extraordinary piece of Porsche history: Porsche Gmünd coupe 356/2-040. Captured exclusively for this book in a series of evocative portraits by acclaimed automotive photographer Michael Furman, 040's unsullied originality conveys with startling immediacy the combination of artistry, innovation and determination that went into its improbable creation. This cornerstone of the Seinfeld collection serves as the inspiration for *Porsche-Origin of the Species*, an in-depth exploration by the eminent automotive historian Karl Ludvigsen into the specific influences and circumstances that brought forth the first Porsche-badged sports cars.

"To perform one's craft with his technical precision and beauty is the loftiest of levels in both authorship and car manufacture. It is no coincidence to me that the names Ludvigsen and Porsche are so closely associated. From Karl as well, excellence is always expected. And in this new telling of the story of the oldest Porsches, it is handsomely delivered."

Jerry Seinfeld,
 from the Foreword to
 Porsche – Origin of the Species

"...much more than just a coffee-table decoration... definitely a keeper for Porschephiles and all car enthusiasts."

- The New York Times

"It is a fascinating read and one that we would put in the Top 10 of Porsche books. At 356 pages, with a great deal of unseen archive material, and some genuine revelations, its asking price seems a genuine bargain."

- 911 & Porsche World

- •Winner of the Best of Books award at the 22nd International Automotive Media Competition
- Winner of the Gold Medal for Book Writing
 History, Single Marque or Manufacturer at the 22nd International Automotive Media Competition
- Winner of the 2013 Benjamin Franklin Gold Award for Best History Book from the Independent Book Publishers Association





After its careful preservation, Porsche 356/2/040 is back on the road and providing its lucky owner with the joy of driving in its purest form.

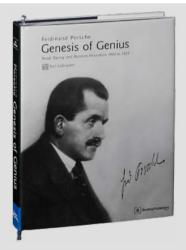


Ferdinand Porsche with Auto Union colleagues Karl Feuereissen, August Jacob and Wilhelm Werner in 1936.



Otto Mathé posed in front of Zell am See's Grand Hotel with his 356/020-040.

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Ferdinand Porsche-Genesis of Genius

Road, Racing and Aviation Innovation 1900-1933

by Karl Ludvigsen
Hardcover, 9.5 in. x 12 in.
496 pages
570 photos & illustrations, including 7 color fold-out drawings
ISBN 978-0-8376-1557-8

GPETPrice \$99.95

This edition of Ferdinand Porsche—Genesis of Genius was produced with the personal participation of Ferdinand Porsche's eldest grandchild Ernst Piëch as his gift to the Porsche community. From the selection of never-before-published photos from the family archives to the lavishness of the manufacturing, this book is a distinctive reflection of the quality and history of Porsche values and philosophies.

For much more information on this title, please visit: www.bentleypublishers.com/porsche/genesis-of-genius



4.900

German Language Edition

Ferdinand Porsche-Genesis des Genies

Strasse, Rennen und Luftfahrtinnovation 1900 bis 1933

bis Karl Ludvigsen

Hardcover, 24 x 30 cm, 496 Seiten 570 Fotos und Illustrationen, ISBN 978-0-8376-1548-6

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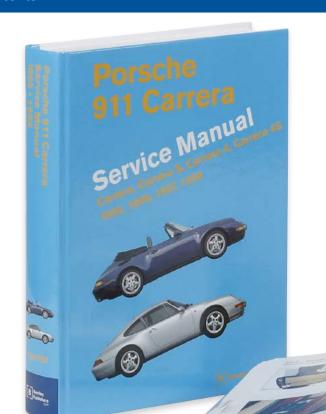
"I've literally saved thousands of dollars fixing my own cars, but wouldn't have been able to do so without the information, procedures, torque specifications, diagrams and more, contained in each Bentley Service Manual.

We highly recommend this service manual for all Porsche 993 owners. And, for owners without access to the ridiculously expensive factory repair manuals, this book is an absolute steal. In fact, it will pay for itself many times over during your years of 993 ownership. "

Doug Neilson, European Car







Porsche 911 (993) Service Manual: 1995-1998

Carrera, Carrera S, Carrera 4, Carrera 4S

by Bentley Publishers

Hardcover, 8 3/8 in. x 11in.

952 pages

1,523 full color photos and illustrations

ISBN 978-0-8376-1719-0

P998.....\$219.95



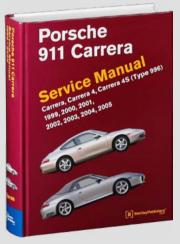
- •1995: 3.6 liter (M64.07 and M64.08)
- •1996-1998: 3.6 liter (OBD II M64.23 and M64.24)

Transmissions covered:

- G50 (6-speed manual, RWD)
- G64 (6-speed manual, AWD)
- A50 (4-speed automatic)

"We highly recommend this service manual for all 993 owners... it will pay for itself many times over during your years of 993 ownership."

European Car, May 2014



Porsche 911 (996) Service Manual: 1999-2005

Carrera, Carrera 4, Carrera 4S

by Bentley Publishers
Hardcover
8-3/8 in. x 11 in.
1024 pages
1477 full color photos
and illustrations

ISBN 978-0-8376-1710-7

P905.....\$219.95

Models covered:

•1999-2005 911 Carrera, Carrera 4, Carrera 4S

Engines covered:

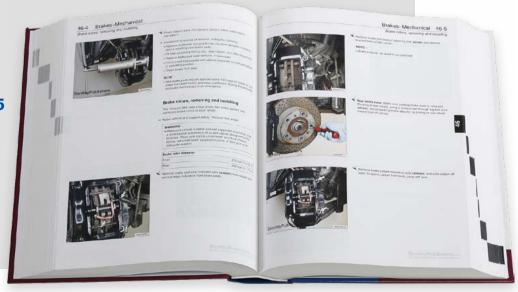
- •1999-2001: 3.4 liter (M96.01, M96.02, M96.04)
- 2002-2005: 3.6 liter (M96.03)

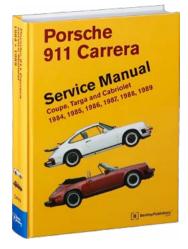
Transmissions covered:

- G96 (6-speed manual)
- A96 (5-speed automatic)



Silver award winner for Book Writing: Technical, How-To-Do-It at the 22nd International Automotive Media Competition

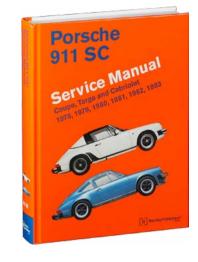




Porsche 911 Carrera **Service Manual:** 1984-1989

Coupe, Targa and **Cabriolet**

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Porsche 911 SC **Service Manual:** 1978-1983

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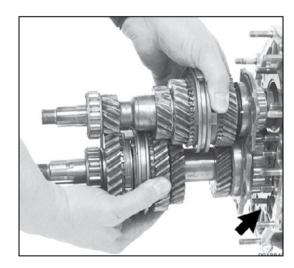
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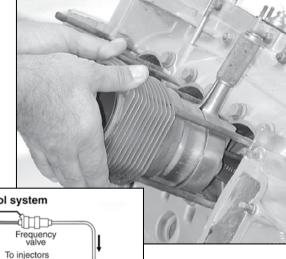
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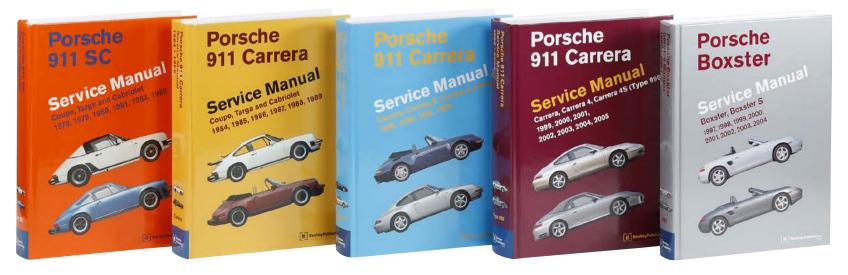
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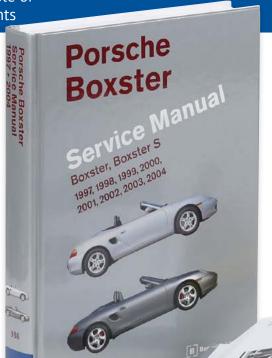
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Engine Management-General

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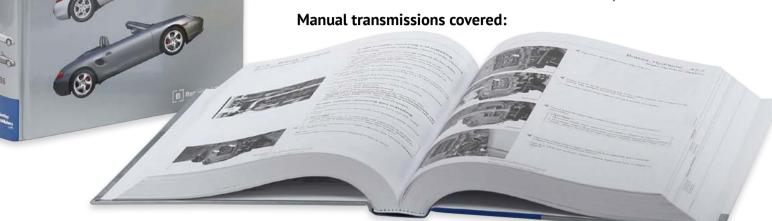
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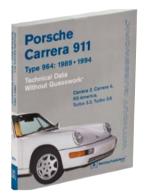
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- Porsche Boxster S: 6-speed (G86/20)

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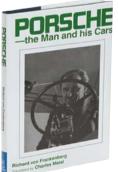


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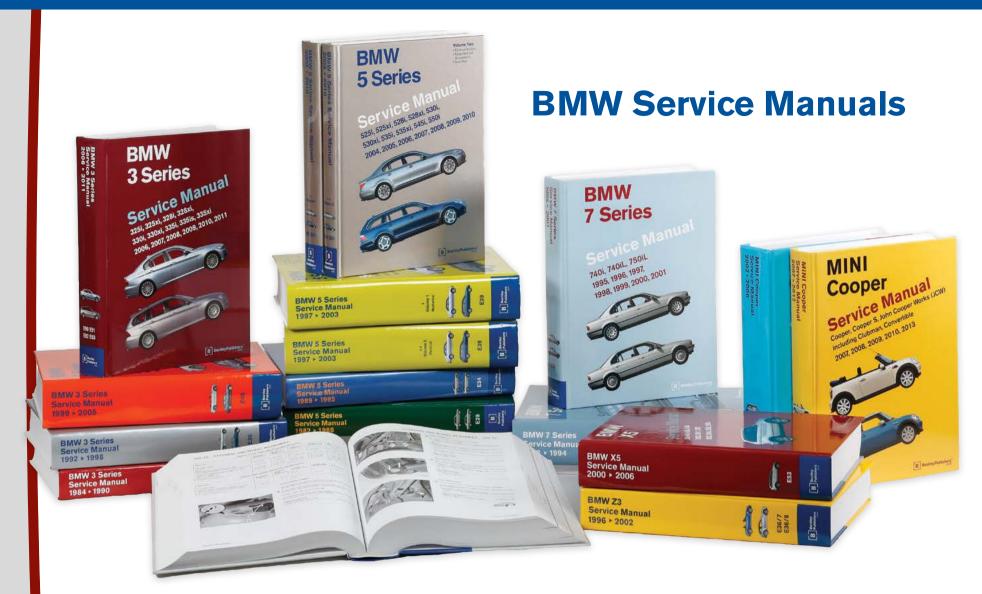
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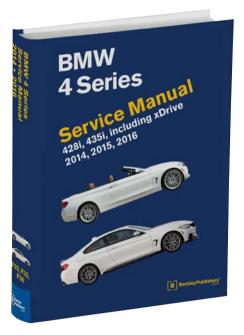




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Everything that goes into a Bentley manual — from developing the outline, to meticulously disassembling the vehicle (and putting it back together again!), to taking hundreds of photographs of component locations — is done by our team of Technical Editors in our Cambridge office.

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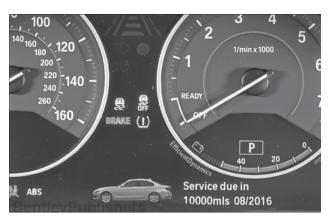
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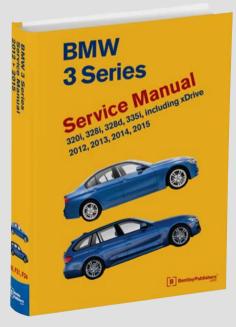
• N26 (SULEV) engine: 428i including xDrive

• N55 engine: 435i, including xDrive

Transmissions covered:

- Manual: GS6-17BG (4-cylinder models)
- Manual: GS6-45BZ (6-cylinder models, RWD)
- Manual: GS6X-45BZ (6-cylinder models, with xDrive)





BMW 3 Series (F30, F31, F34) Service Manual: 2012-2015

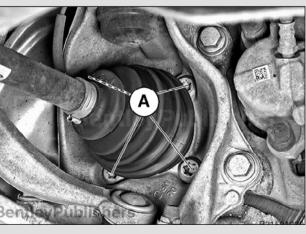
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N26 (SULEV) engine: 328i including xDrive

• N55 engine: 335i, including xDrive

Engine (Diesel):

• N47 engine: 328d, including xDrive

Transmissions covered:

Manual: GS6-17BG (6-speed)
Manual: GS6-45BZ (6-speed)
Manual: GS6X-45BZ (6-speed)
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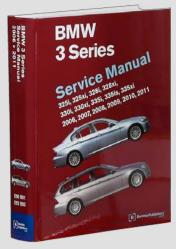
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- •N52 engine: 325i, 325xi, 330i, 330xi (2006)
- •N52KP engine 328i, 328xi (2007-2011)
- •N51(SULEV) engine: 328i, 328xi (2007-2011)

Twin turbo-charged models (6-cylinder 3.0 engines):

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•N55 engine: 335i, 335xi (2011)

Transmissions covered:

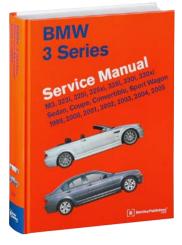
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- ZF GS6-37BZ manual
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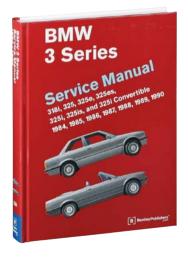
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- 328i/Ci (M52 TU, 2.8 liter engine)
- 325i/Ci/xi (M54 / M56, 2.5 liter engine)
- 330i/Cis/xi (M54, 3.0 liter engine)
- M3 (S54, 3.2 liter Motorsport engine)



BMW 3 Series (E30) Service Manual: 1984-1990

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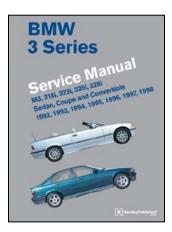
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- (M10, 1.8 liter engine)
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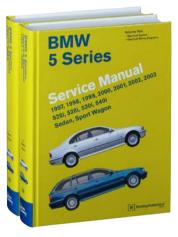
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Fuel injection systems covered:

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- Siemens MS 41.0, MS 42.0, MS 43.0

Manual transmissions covered:

- Getrag S5D 250G, S6S 420G
- •ZF S5D 320Z

Automatic transmissions covered:

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528i

•N52K engine (2008-2010)

535i

• N54 twin turbo engine (2008-2010)

545i

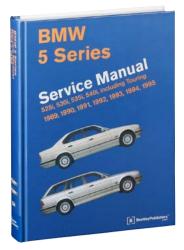
•N62 V8 engine (2004-2005)

550i

•N62 TU V8 engine (2006-2010)



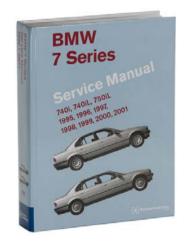




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- 525i (M50TU/VANOS with DME 3.3.1) 1993-1995
- •530i (M60 with DME 3.3) 1994-1995
- 535i (M30 with DME 1.3) 1989-1993
- 540i (M60 with DME 3.3) 1994-1995

Transmissions covered:

Manual (remove, install, external service)

- Getrag 260/5 and 260/6
- Getrag S5D 250G
- Getrag S6S 560G

Automatic (remove, install, external service)

- ZF 4HP22/EH
- A4S 310R (THM-R1)
- ZF A5S 310Z
- ZF A5S 560Z

Models, engines and transmissions covered:

- V8 models and engines
- •740i, 740iL: M60 4.0 liter, M62 or M62 TU 4.4 liter

V12 models and engines:

•750iL: M73 or M73 TU 5.6 liter

Engine management systems (Motronic):

- Bosch M3.3 (OBD I)
- Bosch M5.2 (OBD II)
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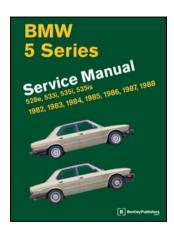
Automatic transmissions (remove, install, external service):

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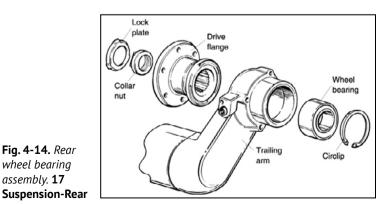
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740iL

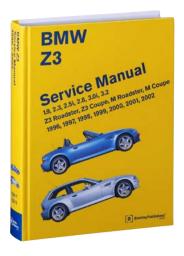
• (M60 - 4.0 liter engine, OBD II)

750iL

• (M70 - 5.0 liter engine)

Fig. 4-14. *Rear*

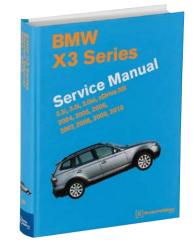
wheel bearing assembly. 17



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1.9, 2.3, 2.5i, 2.8, 3.0i, 3.2 Z3 Roadster, Z3 Coupe, M Roadster, M Coupe

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- M52 TU engine with Siemens DME MS 42.1 (6-cyl.)
- M54 engine with Siemens DME MS 43.0 (6-cyl.)

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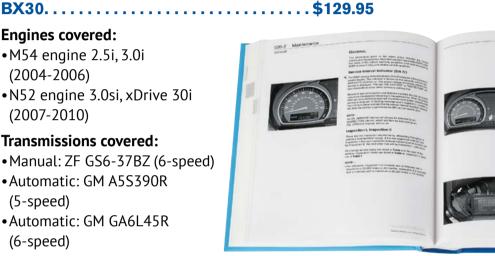
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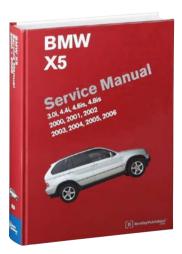
Engines covered:

- 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)
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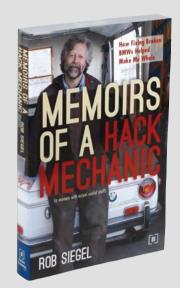
- 3.0i M54 engine, 6-cylinder 3.0 liter
- 4.4i M62 TU engine, V8 4.4 liter
- 4.4i N62 engine, V8 4.4 liter (Valvetronic)
- •4.6is M62 TU engine, V8 4.6 liter
- •4.8is N62 engine, V8 4.8 liter (Valvetronic)

Engine management systems (Motronic):

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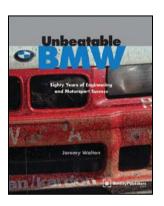
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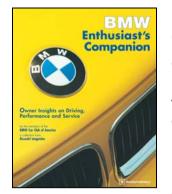
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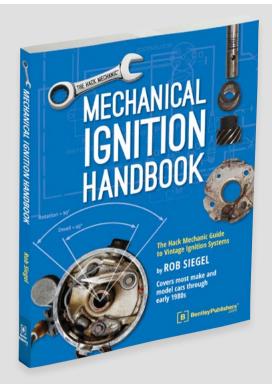
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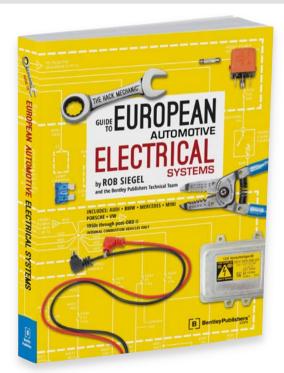
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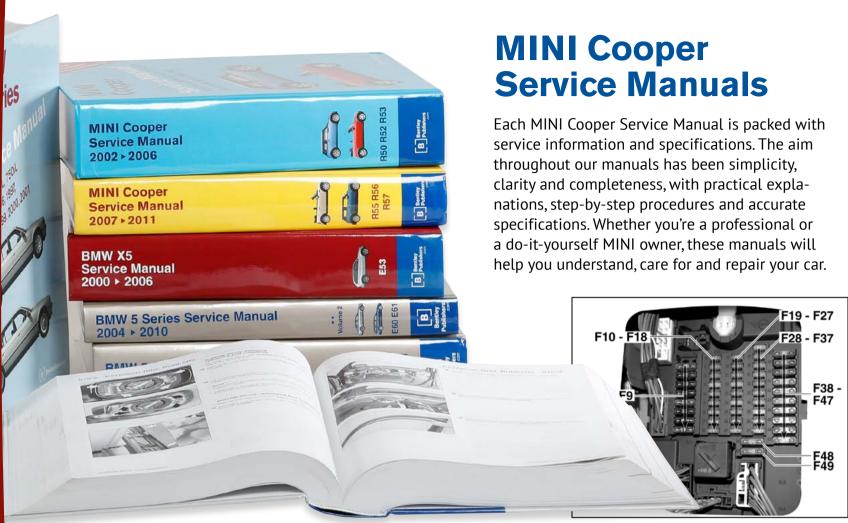
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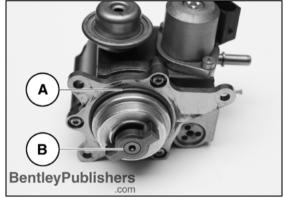


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Bentley technical editors testing fuel pump on the Cooper S engine.

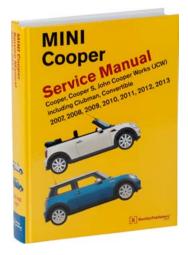
610 Electrical Components *Comprehensive fuse, relay, and electrical component locations.*



160 Fuel Tank and Fuel PumpHigh pressure fuel system service on Turbo engines, including replacing HP fuel pump.



020 Maintenance Step-by-step instructions on resetting CBS service items.



MINI Cooper Service Manual: 2007-2013

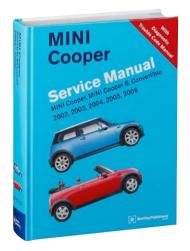
Including Cooper, Cooper S, John Cooper Works (JCW) including Clubman, Convertible

by Bentley Publishers
Hardcover
8-3/8 in. x 11 in.
1064 pages, 1785 photos
and illustrations

Includes color MINI Cooper familiarization section ISBN-13: 978-0-8376-1730-5

Features:

- Procedures such as changing the ATF, replacing a dirty cabin microfilter and resetting the CBS (condition based service) system. This manual tells you what to do and how and when to do it.
- Engine and cylinder head service with variable camshaft timing (VANOS) setup and adjustment, including Valvetronic service on N12, N16 and N18 engines.
- Driveability troubleshooting and detailed repair information for the Siemens DME Engine Management Systems.
- Turbocharger and intercooler information, including component removal and replacement (Cooper S, JCW).
- Drivetrain maintenance
- Suspension repairs
- Manual and automatic transmission removal, installation, seal replacement and external service.
- Brake system repair information
- Heating and air conditioning repair
- Body adjustments and repairs
- Electrical system service
- Comprehensive wiring schematics, including fuses and grounds.
- MINI OBD II diagnostic trouble codes, SAE-defined and OBD II P-Codes, as well as basic scan tool information and OBD II Diagnostic Trouble Codes (DTCs).
- MINI factory tolerances, wear limits, adjustments, and tightening torques.



MINI Cooper Service Manual: 2002–2006 Including MINI Cooper, MINI Cooper S

by Bentley Publishers

Hardcover 8-3/8 in. x 11 in. 1424 pages 1902 photos and illustrations ISBN 978-0-8376-1639-1

BM06\$139.95

Models & engines covered:

• Cooper: 1.6 liter normally aspirated engine

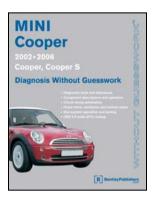


BONUS All the content of *MINI Cooper Diagnosis Without Guesswork: 2002-2006* is included in this manual!

• Cooper S: 1.6 liter supercharged engine

Transmissions covered:

- **Cooper:** Manual 5-speed transmission (Midlands, Getrag)
- Automatic continuously variable transmission (CVT)
- Cooper S: Manual 6-speed transmission (Getrag)
- Automatic with Agitronic (Aisin)



MINI Cooper Diagnosis Without Guesswork: 2002-2006

MINI Cooper, MINI Cooper S

by Bentley Publishers
Softcover
7 in. x 9 in.
336 pages
306 Photos and illustrations
ISBN 978-0-8376-1571-4

BMD6.....\$59.95

This MINI Cooper Diagnosis Without Guesswork: 2002-2006 handbook is a diagnostic manual written for the professional technician and the MINI enthusiast. Not intended to be a repair manual, this handbook is your comprehensive source for engine management and on-board system diagnosis.

Volkswagen Repair Manuals

(water-cooled)

Bentley Volkswagen repair manuals provide factory repair procedures, specifications, tolerances, electrical wiring diagrams, and lubrication and maintenance information.

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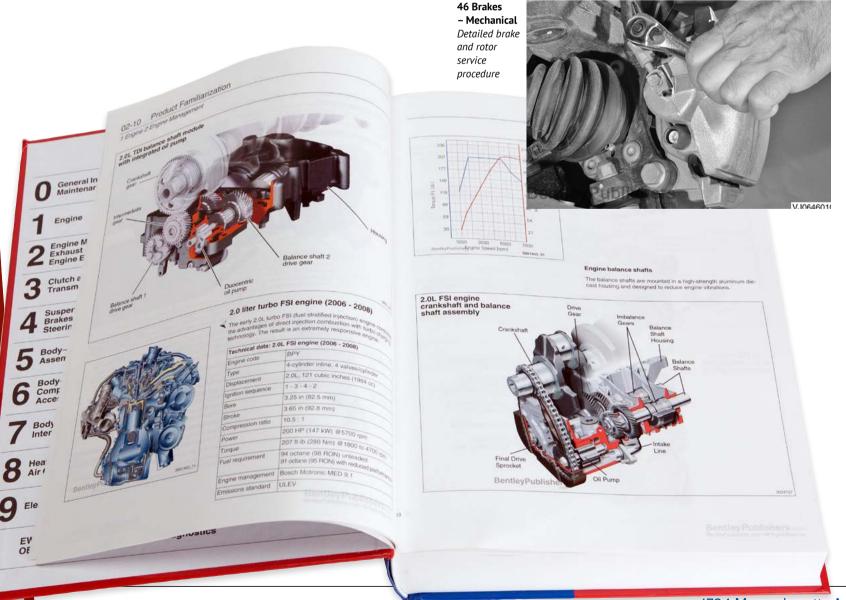
- VW Trends

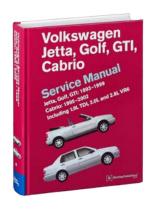


Bentley Publishers Service Publications editor conducting technical photography session at the Cambridge, MA studio.



24 Fuel Injection – Gasoline Removing and installing the throttle valve





Volkswagen Jetta, Golf, GTI, Cabrio Service Manual: Jetta, Golf, GTI: 1993–1999

Cabrio: 1995-2002

Including 1.9L TDI, 2.0L and 2.8L VR6

by Bentley Publishers

Hardcover, 8-3/8 in. x 11 in.

996 pages, 852 illustrations and diagrams 278 pages of electrical wiring diagrams Volkswagen Part No. LPV 800 116 ISBN 978-0-8376-1660-5

VG99.....\$99.95

Engines covered:

- •1.8 L gasoline (engine code ACC)
- •1.9 L diesel (engine codes AAZ, IZ, AHU)
- 2.0 L gasoline (engine code ABA)
- 2.8 L VR6 gasoline (engine code AAA)

Transmissions covered:

- •020 and 021 5-speed transmission
- •096 and 01M 4-speed automatic



Volkswagen Jetta, Golf, GTI Service Manual: 1999-2005

1.8L turbo, 1.9L TDI diesel, PD diesel, 2.0L gasoline, 2.8L VR6

by Bentley Publishers Hardcover, 8-3/8 in. x 11 in. 2,008 total pages

4,140 photos, illustrations and diagrams Volkswagen Part No. LPV 800 120 **Sold only as a 2 volume set**

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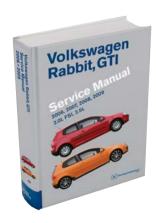
VG05.....\$139.95

Engines covered:

- 1.8L turbo gasoline (engine codes: AWD, AWW, AWP)
- •1.9L TDI diesel (engine code: ALH)
- •1.9L Turbo diesel Pumpe Düse (PD) (engine code: BEW)
- 2.0L gasoline (engine codes: AEG, AVH, AZG, BBW, BEV)
- 2.8L gasoline (engine code: AFP, BDF)

Transmissions covered:

- 02J 5-speed manual
- •02M 6-speed manual
- •01M 4-speed automatic
- 09A 5-speed automatic



Volkswagen Rabbit, GTI Service Manual: 2006–2009

2.0L, FSI, 2.5L

by Bentley Publishers
Hardcover, 8-3/8 in. x 11 in.
1040 pages, 1,792 photos,
illustrations and diagrams
ISBN 978-0-8376-1664-3

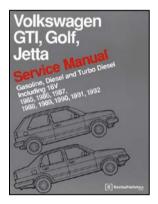
VR09.....\$119.95

Engines covered:

- 2.0L FSI turbo gasoline (engine code: BPY, CBFA, CCTA)
- 2.5L gasoline (engine code: BGP, BGQ, CBTA, CBUA)

Transmissions covered (remove, install, external service):

- 0A4 5-speed manual
- 09G 6-speed automatic
- •020 6-speed manual
- •02E 6-speed DSG



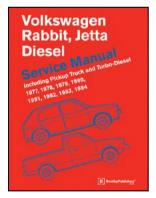
Volkswagen GTI, Golf, and Jetta Service Manual: 1985-1992

Gasoline, Diesel, and Turbo Diesel, incl. 16V

by Bentley Publishers Hardcover, 8-3/8 in. x 11 in., 840 pages 698 illustrations and diagrams

299 pages of electrical wiring diagrams Volkswagen Part No. LPV 800 112 ISBN 978-0-8376-1637-7

VG92.....\$89.95



Volkswagen Rabbit, Jetta Diesel Service Manual: 1977-1984

Diesel Models, including Pickup Truck and Turbo Diesel

by Bentley Publishers Hardcover, 8-3/8 in. x 11 in., 624 pages, 973 illustrations

Volkswagen Part No. LPV 800 122 ISBN 978-0-8376-1703-9

VRD4\$69.95



Volkswagen Jetta (A5) Service Manual: 2005–2010

1.9L and 2.0L diesel, 2.0L and 2.5L gasoline, including TDI, GLI and SportWagen

by Bentley Publishers Hardcover, 8-3/8 in. x 11 in. 1,352 pages

2,484 technical photos and illustrations Includes 991 electrical wiring diagrams ISBN 978-0-8376-1616-2

VJ10\$129.95

Engines covered:

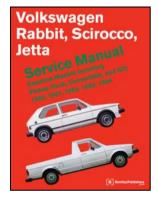
- •1.9L TDI PD diesel (engine code: BRM)
- 2.0L TDI common rail (engine code: CBEA, CJAA)
- 2.0L FSI turbo gasoline (engine code: BPY)
- 2.0L TSI turbo gasoline (engine code: CBFA, CCTA)
- 2.5L gasoline (engine code: BGP, BGQ, CBTA, CBUA)

Transmissions covered (remove, install, external service):

- 0A4 5-speed manual
- •02Q 6-speed manual
- 09G 6-speed automatic
- •02E 6-speed DSG



Bentley technical editors working on a 2005 Jetta.



Volkswagen Rabbit, Scirocco, Jetta Service Manual: 1980-1984

Gasoline Models, including Pickup Truck, Convertible, and GTI

by Bentley Publishers
Hardcover, 8-3/8 in. x 11 in.,
720 pages, 1.151 illustrations

Volkswagen Part No. LPV 800 104 ISBN 978-0-8376-1704-6

VRG4\$69.95

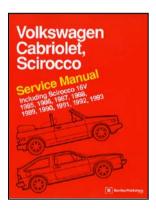
This Volkswagen Rabbit, Scirocco, Jetta service manual covers 1980-1984 models with gasoline engines built on the "A1" platform.

Engines covered:

- •1.5L with carburetor (engine code: FX)
- •1.6L with fuel injection (engine code: EJ)
- •1.7L with fuel injection (engine code: EN)
- 1.8L with fuel injection (engine code: JH)

Diesel engines covered:

- •1.6L Diesel (engine code: CK, CR, JK)
- •1.6L Turbo-Diesel (engine code: CY)



Volkswagen Cabriolet, Scirocco Service Manual: 1985-1993 Including Scirocco 16V

by Bentley Publishers Hardcover, 8-3/8 in. x 11 in., 520 pages 860 illustrations and diagrams

Volkswagen Part No. LPV 800 113 ISBN 978-0-8376-1636-0

VS93.....\$79.95

The Volkswagen Cabriolet, Scirocco Service Manual: 1968-1979 is a definitive reference source of technical automotive repair and maintenance information for the A1 platform Volkswagen Cabriolet and Scirocco models.

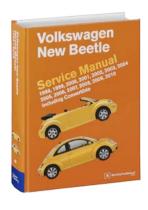
Engine covered:

• 1.8L gasoline (engine code: 3H, 2H, PL)

Transmissions covered:

- •020 5 speed manual
- 010 3 speed automatic





Volkswagen New Beetle Service Manual: 1998–2010

Including convertible

by Bentley Publishers
Hardcover, 8-3/8 in. x 11 in.,
1,664 pages
2,647 photos, illustrations and
diagrams

Volkswagen Part No. LPV 800 402 ISBN 978-0-8376-1640-7

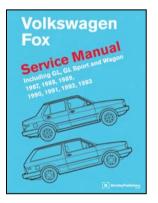
VB10.....\$149.95

Engines covered:

- 1.8L turbo gasoline (engine code: APH, AWV, AWP, BKF, BNU)
- 1.9L TDI diesel (engine code: ALH, BEW)
- 2.0L gasoline (engine code: AEG, AVH, AZG, BDC, BEV, BGD)
- 2.5L gasoline (engine code: BPR, BPS)

Transmissions covered:

- •02J 5-speed manual
- •02M 5- and 6-speed manual
- 0A4 5-speed manual
- •01M 4-speed automatic
- 09G 6-speed automatic
- •02E 6-speed direct shift gearbox (DSG)



Volkswagen Fox Service Manual: 1987-1993

Including GL, GL Sport and Wagon

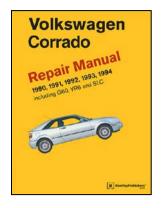
by Bentley Publishers Softcover, 8-3/8 in. x 11 in., 440 pages 570 illustrations and diagrams

Volkswagen Part No. LPV 800 504 ISBN 978-0-8376-0363-6

VF93.....\$59.95

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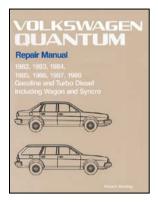
Volkswagen Corrado Repair Manual: 1990-1994

Including G60, VR6 and SLC

by Volkswagen of America Hardcover, 8-3/8 in. x 11 in. 1,064 pages 1,235 illustrations and diagrams

280 pages of electrical wiring diagrams Volkswagen Part No. LPV 800 300 ISBN 978-0-8376-1699-5

VC94.....\$134.95



Volkswagen Quantum Repair Manual: 1982-1988

Gasoline and Turbo Diesel, including Wagon and Syncro

by Volkswagen of America Softcover, 8-3/8 in. x 11 in., 1,344 pages

2,150 illustrations and diagrams Volkswagen Part No. LPV 800 202 ISBN 978-0-8376-0341-4

VM88 \$89.95



Volkswagen Passat Repair Manual: 1995–1997

Including Gasoline, Turbo Diesel, TDI 4-cylinder, VR6, and wagon

by Volkswagen of America Hardcover, 8-1/2 in. x 11 in.

2,368 pages, 2,464 illustrations and diagrams Volkswagen Part No. LPV 800 207 ISBN 978-0-8376-1753-4

VP97.....\$189.95

The two volumes of this Volkswagen repair manual present the service and repair information for Volkswagen Passat and Passat wagon models sold in the US and Canada. For the professional automotive technician, this manual includes the factory specifications and procedures.



Volkswagen Passat Service Manual: 1998–2005

1.8L turbo, 2.8L V6, 4.0L W8, including Wagon and 4MOTION™

by Bentley Publishers Hardcover, 8-3/8 in. x 11 in. 1,880 total pages 4,445 illustrations and

diagrams, Volkswagen Part No. LPV 800 209 Sold only as a 2 volume set ISBN 978-0-8376-1669-8

VP05..... \$149.95

The *Volkswagen Passat Service Manual: 1998-2005* is a comprehensive source of service information and specifications for Volkswagen Passat models built on the B5 platform from 1998 through 2005.

Engines covered:

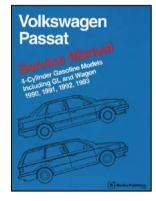
- 1.8L gasoline
- (engine codes AEB, ATW, AUG, AWM)
- 2.8L gasoline (engine codes AHA, ATQ)
- 4.0L gasoline (W8) (engine code BDP)

Transmissions covered:

- 5-speed manual (transmission codes: 012, 01W)
- 5-speed automatic (transmission code: 01V)
- 6-speed manual (transmission code: 01E)



Page 10 from Passat Familiarization section.



Volkswagen Passat Service Manual: 1990-1993

4-cylinder gasoline models including GL and Wagon

by Bentley Publishers
Hardcover, 8-3/8 in. x 11 in.,
582 pages ,639 illustrations

Volkswagen Part No. LPV 800 205 ISBN 978-0-8376-1658-2

VP93.....\$69.95



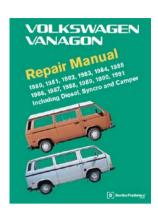
The Volkswagen Passat Service Manual: 1990-1993 contains comprehensive repair information for B3 platform Passat models. It's heavily illustrated with high quality photographs and drawings, and covers routine maintenance and service work.

Engine and transmissions covered:

- 2.0L 16-valve gasoline (engine code 9A)
- 5-speed manual (transmission code 02A)
- 4-speed automatic (transmission code 096)

Features:

- Troubleshooting and repair of the CIS-E Motronic engine management system.
- Emission control tests, repairs and adjustments, including testing and replacing the oxygen sensor.
- Automatic and manual transmission maintenance, troubleshooting, adjustment and repair.
- Suspension and power steering service and repair, including strut replacement and complete wheel alignment specifications.
- Disc brake reconditioning and repair.
- Anti-lock braking system (ABS) troubleshooting and repair
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- New heating and air conditioning information, including R-134a A/C systems.



Volkswagen Vanagon Repair Manual: 1980-1991

Including Diesel, Syncro, and Camper

by Volkswagen of America Hardcover, 8-3/8 in. x 11 in. 1,388 pages

2,295 illustrations and diagrams Volkswagen Part No. LPV 800 148 ISBN 978-0-8376-1665-0

VV91.....\$119.95

Engines covered:

- •1.6L diesel (engine code: CS)
- •1.9L water-cooled Digijet (engine code: DH)
- 2.0L air-cooled (engine code: CV)
- 2.1L water-cooled Digifant (engine code: MV)

Transmissions covered:

- 090 3-speed automatic (rear wheel drive)
- •091 4-speed manual (rear wheel drive)
- •094 5-speed manual (rear wheel drive)
- •094-4WD 5-speed manual Syncro (four wheel drive)

Features:

- Fundamental automotive concepts, with simple explanations of basic troubleshooting, effective workshop practices and tools.
- Complete tune-up specifications for all models covered

 including those with air-cooled, water-cooled and
 diesel engines.
- Engine and cylinder head service, including complete tear down and rebuilding procedures.
- Removal, installation and testing of fuel injection system components.
- Exhaust system component replacement, including Exhaust Gas Recirculation (EGR) system.
- Drivetrain maintenance, troubleshooting, adjustment and repair, for manual, automatic and Syncro (4WD) transmissions.



- Suspension component replacement, including front struts, rear shocks, springs, front stabilizer bar and alignment procedures and specifications.
- Heating and air conditioning component replacement, including heater booster (gas heater).



Volkswagen EuroVan Repair Manual: 1992–1999 (3 Volume Set)

Gasoline, Diesel, TDI, 5-cylinder, and VR6 including MultiVan and CV Camper

by Volkswagen of America

Softcover, 8-3/8 in. by 11 in., 2,722 pages, 2,361 illustrations and diagrams 404 electrical wiring diagrams (includes model years 1992–2001) Volkswagen Part No. LPV 800 149 Sold only as a 3 volume set ISBN 978-0-8376-1681-0

VV99.....\$219.95

Engines covered:

- 2.8 Liter VR6 gasoline
- 2.5 Liter 5-cylinder gasoline
- 2.4 Liter diesel

Transmissions covered:

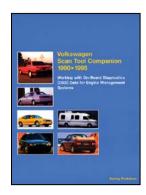
- 02B and 02G5-speed manual transmissions
- 098 and 01P 4-speed automatic transmissions



This manual also includes Volkswagen electrical system information, including the extra information that every professional needs, as well as basic instruction that takes the mystery out of electrical troubleshooting:

- Test equipment and Volkswagen Special Tools-why you need them, and how to use them
- Handling Components and Connectors-proper care and handling can save expense and future headaches
- Basic Electricity-an introduction, or a refresher, on the basics of how and why electrical circuits work (or don't!)
- Troubleshooting-the basic testing methods used to check circuits, isolate and identify faults, or just to figure out whether there's a problem
- Wiring Diagrams-including optional equipment and running production changes





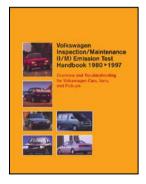
Volkswagen Scan Tool Companion 1990–1995

by Bentley Publishers
Softcover, 8-3/8 in. x 11in.,
256 pages, 129 photos and
illustrations, 194 tables
Volkswagen Part No. LPV 800 902
ISBN 978-0-8376-0393-3

VD95.....\$59.95

Engines covered:

- AAA (2.8L 6-cylinder VR-6)
- AAF (2.5L, 5-cylinder)
- ABA (2.0L, 4-cylinder)
- ABG (1.8L, 4-cylinder)
- ACC (1.8L, 4-cylinder)
- ACU (2.5L, 5-cylinder)
- •PG (1.8L, 4-cylinder G60)
- RV (1.8L, 4-cylinder)
- •1Z (1.9L, 4-cylinder TDI Diesel)
- 2H (1.8L, 4-cylinder)
- •9A (2.0L, 4-cylinder 16V)

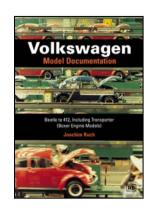


Volkswagen Inspection/ Maintenance (I/M) Emission Test Handbook 1980–1997

by Volkswagen of America Softcover, 8-3/8 in. by 11in., 122 pages, 40 illustrations and diagrams

Volkswagen Part No. LPV 800 901 ISBN 978-0-8376-0394-0

VIM7.....\$39.95



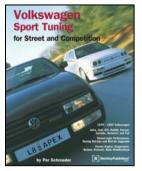
Volkswagen Model Documentation

Beetle to 412, Including Transporter (Boxer Engine Models)

by Joachim Kuch Softcover 6-5/8 in. x 9-3/8 in.

240 pages, 247 B&W photos and illustrations ISBN 978-0-8376-0078-9

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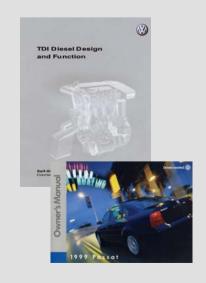
Volkswagen Sport Tuning for Street and Competition

by Per Schroeder
Softcover, 8 in. x 10 in.,
236 pages
330 photographs and
illustrations

ISBN 978-0-8376-0161-8

GVHW\$34.95

Volkswagen Sport Tuning for Street and Competition is a comprehensive guide for buying and modifying a water-cooled Volkswagen to get the best performance for autocrossing, road racing, or street-legal fun. Volkswagen Sport Tuning for Street and Competition gives detailed information on aspects of tuning from the theory behind performance modifications, to step-by-step bolt-ons, to specific modifications allowed in racing classes.



Bentley Publishers has a comprehensive line of Volkswagen literature and training information including:

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Note: Wholesale discounting not available on owner's manuals or training literature



Volkswagen Enthusiast Books



Battle for the Beetle

The untold story of the post-war battle for Adolf Hitler's giant Volkswagen factory and the Porschedesigned car that became an icon for generations around the globe



Softcover, 6-1/8 in. x 9-1/4 in., 480 pages, 219 B&W photos and illustrations ISBN 978-0-8376-1695-7

After World War II what was to be the fate of the odd bugshaped Volkswagen Beetle and its colossal bomb-battered factory? Karl Ludvigsen's hitherto-untold story makes revealing and engrossing reading.

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-Road & Track



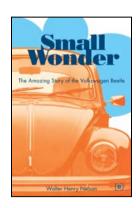
Chapter Four: Britain Meets The Beetle Prototype VWs at the time of the Berlin Auto Show in February 1939.



Chapter Ten: The Making Of A Non-Decision Inside the Frankfurt Show in 1951.



Chapter Five: Assessment By The Americans Testing a captured Schwimmwagen.



Small Wonder

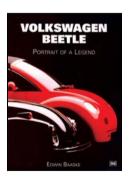
The Amazing Story of the Volkswagen Beetle

by Walter Henry Nelson Softcover, 5-1/2 in. x 8-3/8 in., 380 pages, 36 B&W photos ISBN 978-0-8376-0147-2

GVSW \$29.95

"From the early days on Ferdinand Porsche's drawing board through...the Beetle boom in America, it all makes for fascinating reading."

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Volkswagen Beetle: Portrait of a Legend

by Edwin Baaske
Hardcover,
8-3/4 in. x 12 in.,
146 pages
18 color photos, 128 B&W

ISBN 978-0-8376-0162-5

GVBE\$29.95





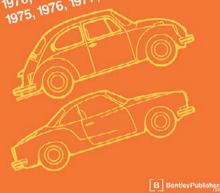
Service Manual Service Manual 1971, 1972, 1973

Station Wagon / Bus 1968, 1969, 1970, 1971, 1972, 1973, 1968, 1969, 1970, 1977, 1978, 1979 1974, 1975, 1976, 1977,



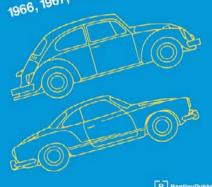
Volkswagen

Service Manual Super Beetle, Beetle & Karmann Ghia 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979



Volkswagen

Service Manual
Beetle and Karmann Ghia
1966, 1967, 1968, 1969



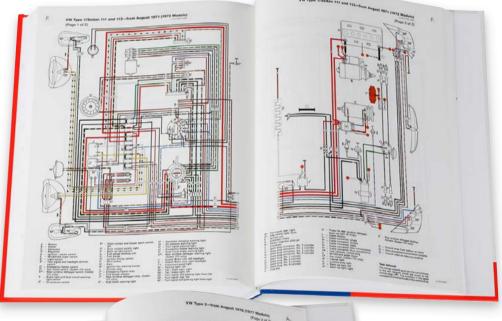
Volkswagen Repair Manuals

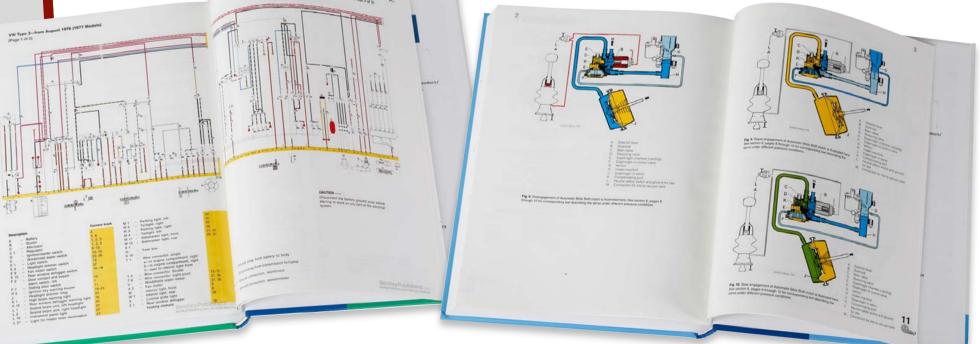
(air-cooled)

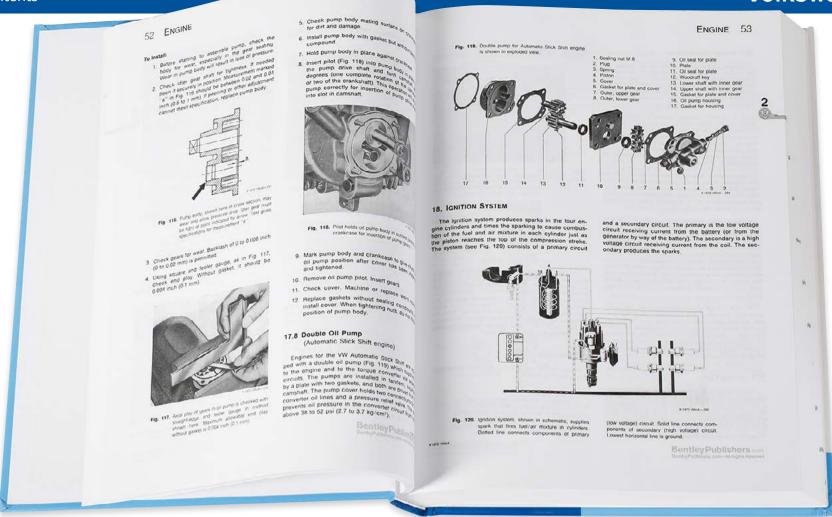
Each of these manuals is a reference source of technical automotive repair and maintenance information for classic air-cooled Volkswagens. They were created specifically to cover models built for sale in the United States and Canada.

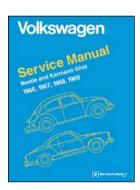


Contains color wiring diagrams









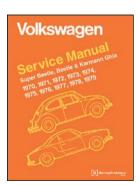
Volkswagen Beetle and Karmann Ghia Service Manual Type 1: 1966–1969

by Volkswagen of America Hardcover, 8-1/2 in. x 11 in. 512 pages 959 illustrations and diagrams



Volkswagen Part No. LPV 997 169 ISBN 978-0-8376-1646-9

V121.....\$59.95



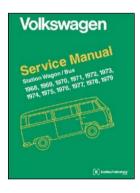
Volkswagen Super Beetle, Beetle and Karmann Ghia Service Manual Type 1: 1970-1979

by Volkswagen of America Hardcover, 8-1/2 in. x 11 in. 496 pages 720 illustrations and diagrams



Volkswagen Part No. LPV 997 109 ISBN 978-0-8376-1623-0

V179.....\$49.95



Volkswagen Station Wagon/Bus Service Manual

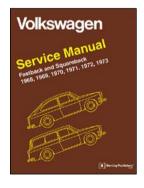
Type 2: 1968-1979

by Volkswagen of America Hardcover, 8-1/2 in. x 11 in. 464 pages 753 illustrations and diagrams



Volkswagen Part No. LPV 997 288 ISBN 978-0-8376-1635-3

V279.....\$59.95



Volkswagen Fastback and Squareback Service Manual Type 3: 1968-1973

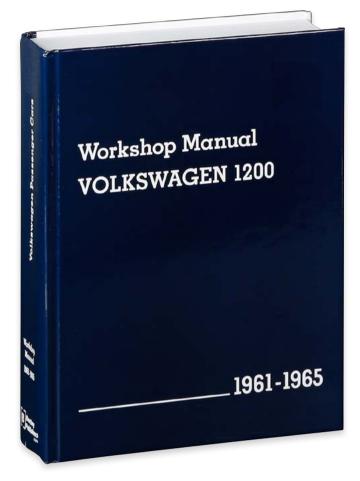
by Volkswagen of America Hardcover, 8-1/2 in. x 11 in. 424 pages 764 illustrations



Volkswagen Part No. LPV 997 383 ISBN 978-0-8376-1700-8

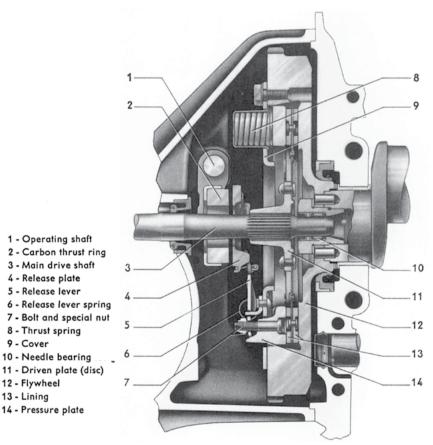
VSQU.....\$54.95





Volkswagen Workshop Manuals

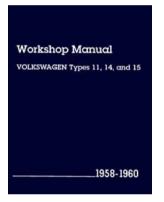
These workshop manuals are vintage reproductions of Volkswagen service and repair information for air cooled Volkswagen models sold in the USA and Canada. These technical archive editions are historical records of the illustrations and procedures for routine Volkswagen maintenance, troubleshooting, repair and rebuilding.



Volkswagen 1200 Description of clutch



Volkswagen 1200 - Removing and installing front axle



Volkswagen Workshop Manual Types 11, 14, and 15: 1958-1960 **Beetle and** Karmann Ghia

by Volkswagen of America

Softcover, 8-3/8 in. x 11 in. 1,016 pages over 1,400 figures, illustrations and diagrams Volkswagen Part No. LPV 800 137 ISBN 978-0-8376-0392-6

V160.....\$109.95



Volkswagen 1200 **Workshop Manual:** 1961-1965

Type 11, 14, and 15 (Beetle, **Beetle Convertible, Karmann Ghia Coupe** and Karmann Ghia **Convertible**)

by Volkswagen of America

Hardcover, 8-1/2 in. x 11 in. 1,364 pages 2,622 illustrations and diagrams Volkswagen Part No. LPV 800 121 ISBN 978-0-8376-1702-2



1 - Operating shaft

3 - Main drive shaft

4 - Release plate

5 - Release lever

8 - Thrust spring

10 - Needle bearing

14 - Pressure plate

9 - Cover

12 - Flywheel 13 - Lining

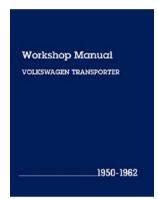


Volkswagen Workshop Manual: 1952-1957

Types 11, 14, and 15 (Beetle and Karmann Ghia)

by Volkswagen of America Hardcover, 8-1/2 in. x 11 in. 704 pages over 1,300 figures, illustrations and diagrams

Volkswagen Part No. LPV 800 136 ISBN 978-0-8376-1711-4



Volkswagen Transporter Workshop Manual: 1950-1962 Type 2

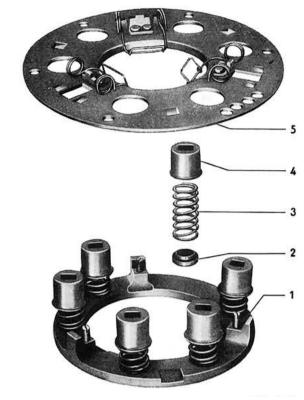
Kombi, Micro Bus, Micro Bus De Luxe, Pick-Up, Delivery Van and Ambulance

Hardcover, 8-1/2 in. x 11 in. 1,144 pages

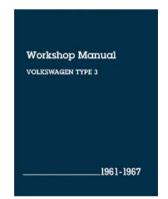
Over 2,000 figures, illustrations and diagrams Volkswagen Part No. LPV 800 138 ISBN 978-0-8376-1712-1



Removal of door and window



Clutch disassembly

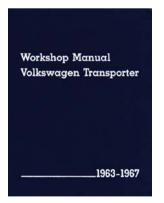


Volkswagen Type 3 Workshop Manual: 1961–1967

by Volkswagen of America

Softcover, 8-3/8 in. x 11 in. 1,152 pages Over 2,000 figures, illustrations and diagrams

29 pages of electrical wiring diagrams Volkswagen Part No. LPV 800 139 ISBN 978-0-8376-1192-1



Volkswagen Transporter Workshop Manual: 1963-1967, Type 2

Kombi, Micro Bus, Micro Bus De Luxe, Pick-Up, Delivery Van and Ambulance

by Volkswagen of America

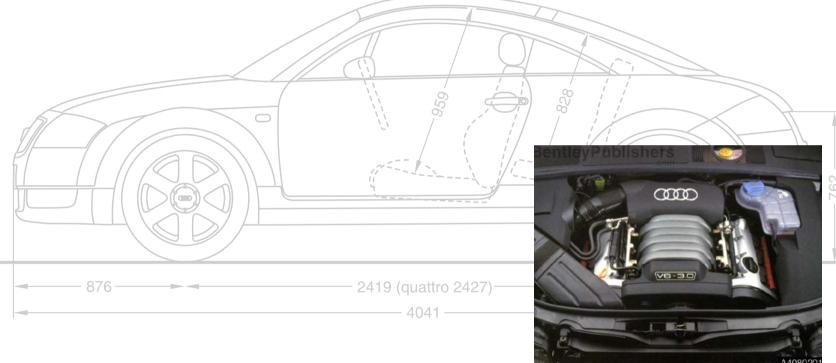
Hardcover, 8-1/2 in. x 11 in., 918 pages 1,450 illustrations and diagrams Volkswagen Part No. LPV 800 135 ISBN 978-0-8376-1698-8

Audi Repair Manuals

Bentley Publishers has designed these Audi repair manuals with the professional technician in mind. Finding applicable specifications is quick and easy, and repair procedures can be grasped after a minimum of reading.

These manuals are heavily illustrated with high-quality photographs and drawings, and cover aspects of maintenance and service work.

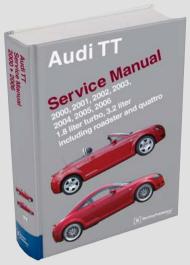












Audi TT Service Manual: 2000–2006

1.8L turbo, 3.2L, including roadster & quattro

by Bentley Publishers Hardcover 8-3/8 in. x 11 in. 978 pages, 1,826

B&W photos, illustrations and diagrams Audi Literature No. W42AUDITT0006SM ISBN: 978-0-8376-1625-4



Engines covered:

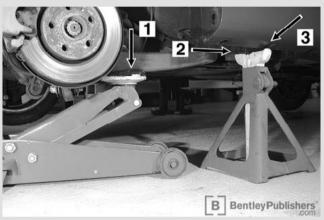
1.8L turbo gasoline (engine code: ATC, AWP, AMU, BEA)
3.2L gasoline (engine code: BHE)

Transmissions covered:

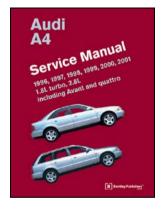
- 02J 5-speed manual (front wheel drive)
- •02M/02Y 5- and 6-speed manual (all wheel drive)
- 09G 6-speed automatic (front wheel drive)
- •02E 6-speed DSG (all wheel drive)



Bentley technical editors working on a TT Roadster.



03 MaintenanceProper positioning of floor jack and jack stand to safely lift vehicle.



Audi A4 Service Manual: 1996-2001

1.8L Turbo, 2.8L, including Avant & quattro

by Bentley Publishers
Hardcover, 8-3/8 in. x 11 in.
1,524 pages
4,261 B&W photos,
illustrations and diagrams

Audi Literature No. W42AUA4962001RM ISBN: 978-0-8376-1675-9

A401.....\$139.95

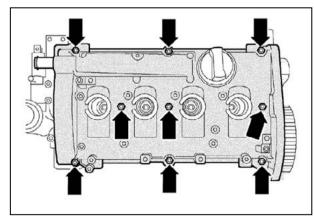
The Audi A4 (B5) Service Manual: 1996-2001 is a comprehensive source of service information and specifications for Audi A4 models built on the B5 platform from 1996 to 2001.

Engines covered:

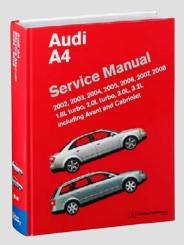
- •1.8L turbo gasoline (engine codes: AEB, ATW, AWM)
- 2.8L gasoline (engine codes: AFC, AHA, ATQ)

Transmissions covered:

- 5-speed Manual (transmission codes: 012, 01W, 01A)
- 5-speed Automatic (transmission code 01V)



15 Engine – Cylinder Head, ValvetrainLoosen nuts -arrows- for cylinder head cover and remove cylinder head cover.



Audi A4 Service Manual: 2002-2008

1.8L turbo, 2.0L turbo, 3.0L, 3.2L, including Avant and Cabriolet

by Bentley Publishers
Hardcover,
8-3/8 in. x 11 in.
1430 pages
2610 photos, illustrations
and diagrams

ISBN: 978-0-8376-1574-5

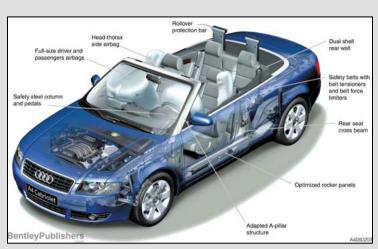
A408.....\$149.95

Engines covered:

- •1.8L turbo gasoline (engine code: AMB)
- 2.0L turbo FSI gasoline (engine codes: BGP, BWT)
- 3.0L gasoline (engine codes: AVK, BGN)
- 3.2L gasoline (engine codes: BKH)

Transmissions covered:

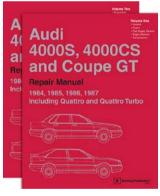
- 5-speed Manual (transmission codes: 012, 01W, 01A)
- 6-speed Manual (transmission codes: 01E, 01X, 02X)
- 5-speed Automatic (transmission code: 01V)
- 6-speed Automatic (transmission code: 09L)
- CVT (transmission code: 01J)



Technical model introduction information in full color. **02 Product Familiarization**



8 Heating and Air Conditioning



Audi 4000S, 4000CS, and Coupe GT Repair Manual: 1984-1987

Including quattro & quattro turbo

by Audi of America Hardcover, 8-1/2 in. x 11 in. 1,622 pages

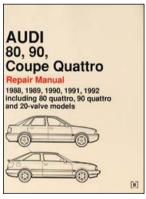
2,439 illustrations & diagrams 327 pages of electrical wiring diagrams Audi Part No. LPV 800 424 **Sold only as a 2 volume set** ISBN: 978-0-8376-1756-5

Engines covered:

- •1.8L gasoline (engine codes: JN, MG)
- 2.2L gasoline (engine codes: KX, JT)
- 2.3L gasoline (engine codes: NG)

Transmissions covered:

- 5-speed manual 013
- 5-speed manual 093
- •5-speed manual 016
- Automatic 087



Audi 80, 90, Coupe quattro Repair Manual: 1988-1992

Including 80 quattro, 90 quattro and 20-valve models

by Audi of America
Softcover, 8-1/2 in. x 11 in.
1,861 pages

3,154 illustrations and diagrams and 40 separate circuit sections

Audi Part No. LPV 800 604 ISBN 978-0-8376-0368-1

A892.....\$159.95

Audi Fox Service Manual: 1973-1979

by Bentley Publishers

Softcover, 8-1/2 in. x 11 in.

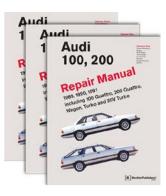
562 pages

1,020 Ilustrations and diagrams

27 pages of electrical wiring diagrams

Audi Part No. LPA 997 082 ISBN: 978-0-8376-0097-0

AF79.....\$39.95



Audi 100, 200 Repair Manual: 1989-1991

Including 100 Quattro, 200 Quattro, Wagon, Turbo and 20-valve models

by Audi of America
Softcover, 8-3/8 in. x 11 in.
1,759 pages
Thousands of illustrations

3 Volume Set

500 pages of electrical troubleshooting and wiring diagrams

Audi Part No. LPV 800 701 Sold only as a 3 volume set ISBN 978-0-8376-0372-8

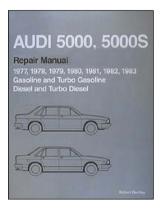
A191.....\$219.95

Engines covered:

- 2.22L 5-cylinder (code MC)
- 2.22L 5-cylinder 20-V (code 3B)
- 2.3L 5-cylinder (code NF)

Transmissions covered:

- 3-speed automatic (codes REE, REH)
- 4-speed automatic (code AEK)
- 5-speed manual 2WD (codes AMK, APV)
- 5-speed manual AWD (codes ADZ, AML, AOA, AUM, AXM)
- Rear final drive manual (codes AAT, AET)



Audi 5000, 5000S Repair Manual: 1977-1983

Gasoline and Turbo Gasoline, Diesel and Turbo Diesel

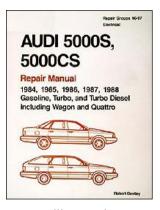
by Audi of America

Softcover, 8-1/2 in. x 11 in. 992 pages 856 illustrations and diagrams 140 pages of electrical wiring diagrams Audi Part No. LPV 800 443 ISBN 978-0-8376-0352-0

A583.....\$59.95

Models covered:

- •Audi 5000
- Audi 5000 Turbo
- Audi 5000S
- Audi 5000S Diesel
- Audi 5000S Turbo
- Audi 5000S Turbo Diesel



Audi 5000S, 5000CS Repair Manual: 1984-1988

Gasoline, Turbo, and Turbo Diesel, including Wagon and quattro

by Audi of America Softcover, 8-1/2 in. x 11 in. 2,240 pages

2,212 illustrations and diagrams 611 pages of electrical wiring diagrams Audi Part No. LPV 800 445 ISBN 978-0-8376-0370-4 Sold only as a 2-volume set

A588.....\$159.95

This Audi 5000S, 5000CS manual covers the model years 1984, 1985, 1986, 1987 and 1988. It includes 5000S, 5000S Turbo and 5000S Turbodiesel, 5000S Quattro, 5000CD Turbo and 5000CD Quattro, 5000CS Turbo and 5000CS Quattro, and Wagon versions of these models. This manual was created specifically to cover only those models built for sale in the United States and Canada.

Bentley Publishers has a comprehensive line of Audi literature and training information including:

Glovebox Owner's Literature

The owners manuals that originally ship with the vehicle. Titles available include model years as far back as 1984.

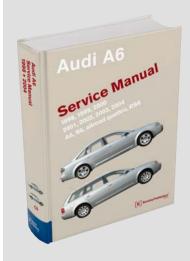
Technical Training: Self-Study Programs

Self Study Programs are produced by Audi of America and are designed to help the Audi dealership technician prepare for intensive factory training classes.

Note: Wholesale discounting not available on owner's manuals or training literature







Audi A6 (C5) Service Manual: 1998-2004

A6, S6, allroad quattro, RS6

by Bentley Publishers
Hardcover
8-3/8 in. x 11 in.
964 pages
1,772 B&W photos,
illustrations and diagrams

ISBN: 978-0-8376-1670-4

A604.....\$109.95

The Audi A6 (C5 platform) Repair Manual: 1998-2004 is a comprehensive source of service information and technical specifications available for Audi A6 and S6 models build on the C5 platform, including the allroad quattro and the RS6.

Transmissions covered:

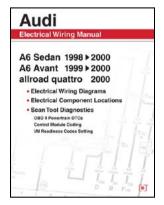
- •5-speed manual AWD (01A)
- 6-speed manual AWD (01E)
- •5-speed automatic AWD (1L)
- 5-speed automatic FWD or AWD (1V)
- Continuously variable transmission (CVT) FWD (01J)

Engines covered:

- •1998 2001 2.8 liter V6 (AHA, ATQ)
- •1999 2004 4.2 liter V8 (ART, AWN, BBD)
- •2000 2004 2.7 liter V6 biturbo (APB, BEL)
- 2002 2004 3.0 liter V6 (AVK)
- 2003 2004 4.2 liter V8 (BAS)
- 2003 2004 4.2 liter V8 biturbo (BCY)



02 - Product familiarization *RS6 engine management.*



Audi A6 Electrical Wiring Manual

A6 Sedan 1998–2000, A6 Avant 1999–2000, allroad quattro 2000

by Bentley Publishers
Softcover, 8-3/8 in. x 11 in.
736 pages
695 illustrations and diagrams

Audi of America Lit. No.: EWM A6 982000

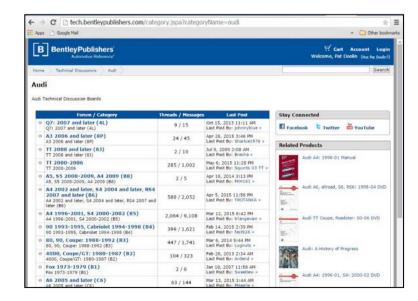
Case quantity: 10 ISBN: 0-8376-0166-3

AW61 \$69.95

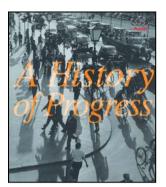
The Audi A6 Electrical Wiring Manual: 1998-2000 covers Audi A6 models built on the "C5" platform through model year 2000. This manual has been prepared using factory wiring diagrams, electrical component location information and scan tool diagnostics.

Audi Tech Info Online

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Audi: A History of Progress
Chronicle of Audi AG - Second Edition

by Audi AG Hardcover 8-1/4 in. x 9-1/2 in. 276 pages

550 photos and illustrations ISBN 978-0-8376-1036-8

Audi: A History of Progress chronicles the fascinating history of Audi AG, from its beginnings in Germany in 1909 to its unique place in the market today. This detailed walk through Audi's accomplishments covers all of the company's changes through the years. The entire Audi "family tree" is examined in detail — Wanderer, DKW, Horch, Audi A697, Auto Union, NSU — their participation in motor sports, and biographies of the people who made the company what it is today.

Building from the original edition, this new edition covers Audi AG's history from its beginnings in Germany in 1909 to Le Mans 2000. It includes expanded coverage and dust jacket.

Audi: A History of Progress contains hundreds of rare factory photos and illustrations, presenting Audi's past and present in a beautiful hardcover, high quality book. Whether you are an Audi owner, enthusiast or automotive historian, Audi: A History of Progress belongs on your bookshelf.



Audi corporate family tree, pages 6-7

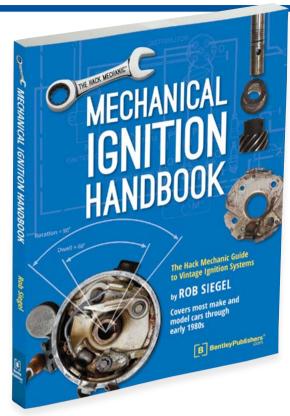
"The competition history of the combine of Wanderer, DKW, Horch, Audi into Auto Union and the late '30s mid engine Grand Prix cars has given a legend to build the modern company upon the acquisition of NSU in the 60's, and the revitalization of the company into the AG is a great business story as well as a great automobile story.

"This book has enough little known competition facts and racing stories to keep the racing enthusiast interested as well as the Audi buff..."

Victory LaneOctober, 2000

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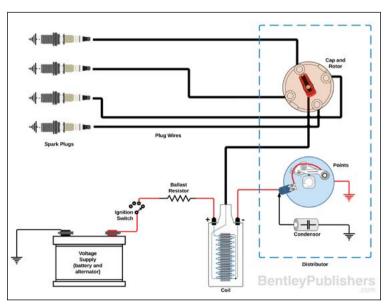
Engineering



Applies to vintage cars from the 1950s up through the mid 1980s that have either points and breakers or mechanical ignition advance.



Setting static timing with a multimeter. (Chapter 5, "Setting Ignition Timing")



The basic layout of the ignition system. (Chapter 2, "Mechanically Timed Ignition—Theory")

Mechanical Ignition Handbook: The Hack Mechanic Guide to Vintage Ignition Systems

by Rob Siegel

ISBN 978-0-8376-1767-1

Bentley Code: BHMI

Price: \$22.95

Softcover, 8 in. x 10 in. 164 pages, 109 photos and illustrations

Mechanically timed ignition is easy to understand and wonderfully straightforward to diagnose and repair, which is good because it's one of the most likely things on an older car to die and leave you in the lurch.

Rob Siegel—better known as the Hack Mechanic—explains how mechanical ignition works and discusses in detail how to set timing and advance. There is also a full chapter on troubleshooting mechanical ignition problems. Illustrated with over 100 photos and diagrams and supported by clear, step-by-step instructions, the *Mechanical Ignition Handbook* features sections on:

- Mechanical ignition basics and components
- Common repairs and recommended tools
- Adjusting point gap
- Setting dwell angle
- Locating the timing mark
- Finding top dead center
- Setting static and dynamic ignition timing
- Using both a standard and an advance timing light
- Testing coil resistance
- Retrofitting breakerless electronic ignition (for those who say "enough!")

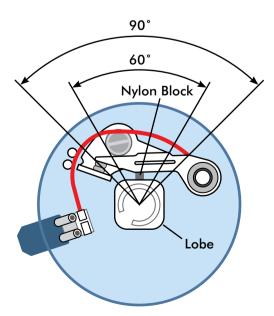
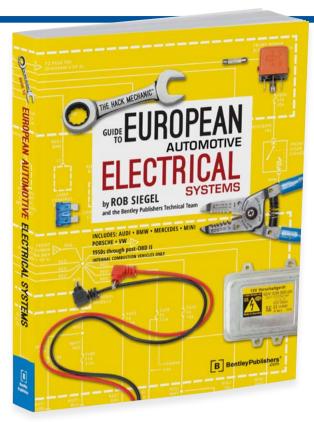
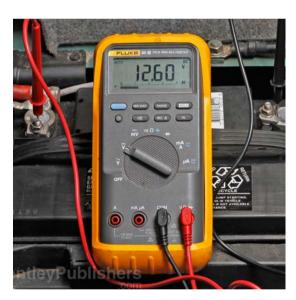


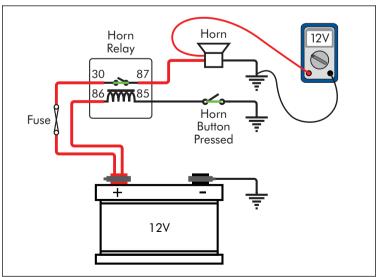
Illustration of rotation and dwell angle. (Chapter 3, "Point Gap and Dwell")



Includes Audi, BMW, Mercedes, MINI, Porsche, VW Covers 1950s through post-OBD II Internal combustion vehicles only



Battery voltage should be about 12.6 V DC with the engine off. (Chapter 2, "Battery")



Using a multimeter to check for voltage at a device in a circuit. (Chapter 8, "Troubleshooting")

The Hack Mechanic Guide to European Automotive Electrical Systems

by Rob Siegel and The Bentley Publishers Technical Team

ISBN 978-0-8376-1751-0

Bentley Code: BHME

Price: \$39.95

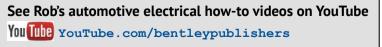
Softcover, 8 3/8 in. x 11 in. 382 pages, 400 photos

Electrical issues in European cars can be intimidating. *The Hack Mechanic Guide to European Automotive Electrical Systems* shows you how to think about electricity in your car and then take on real-world electrical problems. The principles discussed can be applied to most conventional internal-combustionengined vehicles, with a focus on European cars spanning the past six decades.

Drawing on The Hack Mechanic's wisdom and experience, the 38 chapters cover key electrical topics such as battery, starter, alternator, ignition, circuits, and relays. Through a practical and informal approach featuring hundreds of full-color illustrations, author Rob Siegel takes the fear-factor out of projects like making wire repairs, measuring voltage drops, or figuring out if you have a bad fuel pump relay. Essential tools such as multimeters (DVOM), oscilloscopes, and scan tools are discussed, with special attention given to the automotive multimeter needed to troubleshoot many modern sensors.



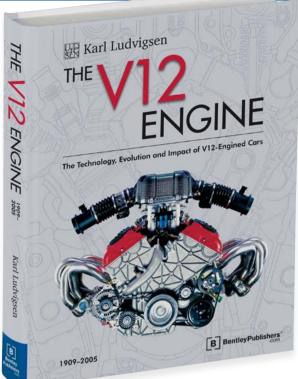
Read more about author Rob Siegel on page 50







Engineering



Lavishly illustrated and meticulously researched, The V12 Engine explores the great 12-cylinder racing and production cars that made automotive history. Karl Ludvigsen, award-winning automotive historian and author of the acclaimed Porsche: Origin of the Species takes his readers behind the scenes to witness the development and influence of the mightiest auto engine.



Author profile page 9

Blending business with technology, racing with recordbreaking and luxury carriages with supercars, The V12 Engine takes the reader on a high-speed journey through some of the most exciting and exotic cars ever made.

The V12 Engine

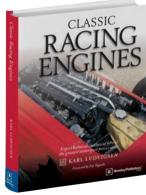
by Karl Ludvigsen

ISBN 978-0-8376-1733-6

Bentley Code: H674 Price: \$79.95

Softcover, 8 in. x 10 in. 590 pages, 585 photos and illustrations



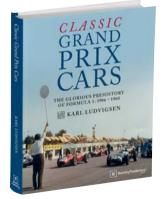


Classic Racing Engines by Karl Ludvigsen

ISBN 978-0-8376-1734-3

Bentley Code: H635 Price: \$79.95

Softcover, 8 in. x 10 in. 226 pages, 255 photos and illustrations



Classic Grand Prix Cars The Glorious Prehistory of Formula 1: 1906-1960 by Karl Ludvigsen

ISBN 978-0-8376-1735-0

Bentley Code: H634 Price: \$79.95

Softcover, 8 in. x 10 in.

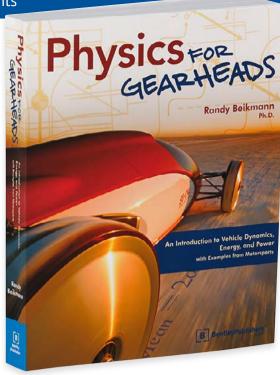
248 pages, 260 photos and illustrations

H634.....\$79.95

Classic Grand Prix Cars explores the origins and evolution of Grand Prix racing during the first half of the twentieth century. With a newly expanded introduction for this edition, Karl Ludvigsen's authoritative history describes the technical development of these powerful machines, decade by decade. A former auto industry executive and award-winning author of dozens of books, including Classic Racing Engines, Ludvigsen is an expert guide to the cars, manufacturers and drivers who pioneered the sport that would become Formula 1.

H635.....\$79.95

From the earliest days of motor racing, engineers have strived to develop engines which push the boundaries of technology. This lavishly illustrated book details the design, development and specifications of the author's personal selection of 50 classic racing engines from 1913 to 1994. Karl Ludvigsen uses his extensive network of contacts throughout the racing engine world to provide behind-the-scenes stories, and speaks to the personalities involved in developing the power units that have made history.



Physics for Gearheads

An Introduction to Vehicle Dynamics, Energy, and Power with Examples from Motorsports

by Randy Beikmann, Ph.D.

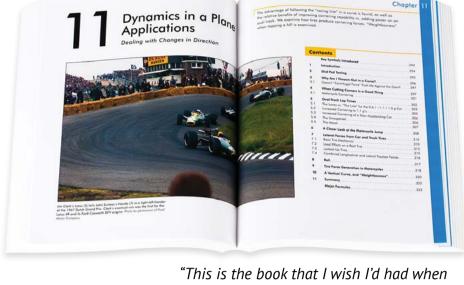
Bentley Stock No: GEBP

Price: \$79.95

ISBN 978-0-8376-1615-5

Softcover, 8 in. x 10 in. 604 pages with 347 photos, illustrations and diagrams, full color throughout

Supports access and inclusion for different learning styles by approaching concepts in multiple ways



"This is the book that I wish I'd had when taking physics classes in school."

Speed Secrets Weekly

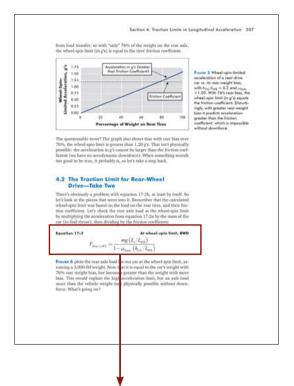
Whether your interest is in increasing your engine's horsepower, getting more miles per gallon, or shaving tenths off your lap time on track day, you can use physics to gain insight into the problem and formulate a solution. *Physics for Gearheads* not only explains physics principles in language you can understand, it demonstrates how to use physics to your advantage.

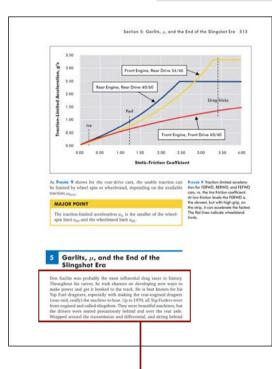


Randy Beikmann

holds a Ph.D. in mechanical engineering from the University of Michigan. He is a technical specialist in automotive noise and vibration at the General

Motors Milford Proving Ground, where he has worked since 1983. He has published numerous papers on powertrain noise and vibration and has helped design and teach classes at GM within his engineering specialty. He currently holds three patents.





An mensioned, the slingshots were heavily rear-weight biased. But by 1970, drug time had become sticky enough that this was no longer the right thing us do. In fact, flow smill that is 1970, by lad to now 150 million of the control for the control of the contro

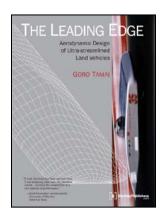
Physics is put to math

Physics is described with narrative

Physics is mapped to graphics







The Leading Edge Aerodynamic Design of Ultra-streamlined **Land Vehicles**

by Goro Tamai Softcover 7 7/8 in. x 10 3/8 in. 304 pages 315 B&W photos, illustrations and diagrams

ISBN 978-0-8376-0860-0

GRLE\$49.95

The Leading Edge summarizes the aerodynamic design and construction issues of solar cars and ultralight land vehicles. Author Goro Tamai draws on his own experience in designing solar cars at MIT to produce a book for the ground-up streamlined landvehicle designer or constructor, as well as for the solar/electric/ultralight vehicle enthusiast. As with any engineering problem, the "best" body shape for solar cars, HPVs, or Electrathoners is not the body of absolute lowest drag. The vehicle system, in-cluding the driver, chassis, and energy/drive system must work in concert to produce the maximum output. The Leading Edge will help designers quantify the trade-offs, and make logical decisions.

Technical highlights:

- Vehicles covered include solar cars, human-powered vehicles (HPV), solar bikes, electrathon racers, ground-up hybrid or pure electric vehicles, and fueleconomy record cars.
- Numerous examples using specific race cars and teams, and how designers solved problems.



Goro Tamai received his B.S. (1993) and M.S.(1995) in Mechanical Engineering from the **Massachusetts Institute of** Technology. He joined the MIT Solar Car Team during his

freshman year, and worked on a succession of cars, including the Galaxy, Solectria 5, Solectria 5x, Aztec, and Manta. His primary responsibility was in the design and fabrication of the chassis and body, but he also spent time in the drivetrain and battery groups.

Tamai helped drive the Galaxy to a sixth-place finish in the 1990 GM Sunrayce USA, and the Aztec to two first-place finishes in the 1993 and 1994 Tour de Sol commuter class. In 1995, he directed the development of the Manta, MIT's first Sunrayce car since 1990. Tamai's 18-member team constructed the Manta in a year and a half, finishing just in time for the Sunrayce 95 in Indianapolis. The team emerged victorious.

Since graduating from MIT, the author has actively consulted with a number of solar and electric racing teams. He currently works in the automotive industry in Michigan, USA.

"... an extensive treatise on the aerodynamics of streamlined land vehicles ... It is a valuable contribution towards advancing the technology in this important field."

> - Mark Drela, Professor, MIT Department of Aeronautics and Astronautics



Bosch Fuel Injection & Engine Management How to Understand, **Service and Modify**

by Charles O. Probst, SAE Softcover, 8-3/8 in. x 11 in. 224 pages 352 illustrations and diagrams ISBN 978-0-8376-0300-1

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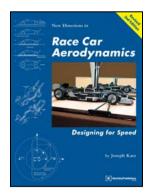
This is the authoritative handbook on Bosch fuel injection and engine management systems. This is the only manual that fully explains aspects of the most widely installed Bosch systems, including specific technical information on the newest KE-Motronic and LH-Motronic systems that is not available from any other source.

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K-Jetronic



Race Car Aerodynamics: Designing for Speed

by Joseph Katz, Ph.D.
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270 pages, 285 B&W photos and illustrations
ISBN 978-0-8376-0142-7

"The book combines clear explanations, illustrations and photos to help the enthusiast understand a complex subject, with invaluable reference material--including equations—for the professional race car engineer."

Lee Dykstra, Racing Engineering
 Consultant and Designer

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From Formula One, to Indy Car, Drag and Sedan Racing, this book provides clear explanations for both engineers who want to improve their design skills, and enthusiasts who want to understand how their favorite cars go fast.

Katz explains:

- How aerodynamics win races.
- Why downforce is more important than streamlining and drag reduction.
- Designing wings and venturis-what works and what doesn't.
- Wind tunnel designs, methods and results-what you can and cannot believe.
- Full definitions of terms, with equations and examples provided for determining key aerodynamic parameters like drag, lift and side-force coefficients, fluid viscosity, or wind-tunnel corrections.
- Numerous examples using specific race cars, passengerbased prototypes, and open-wheel designs.



Use of smoke trace for off-body flow visualization in the wind tunnel test section.



Prof. Joseph Katz

is Chairman of the
Aerospace Engineering
and Engineering
Mechanics department
at San Diego State
University. Joe received
the degrees of BSc,
MSc and DSc, the latter
in 1977 in Aerospace
Engineering after which
he spent two years at

the NASA Ames research center full-scale wind tunnel facility. During his academic career he taught and developed numerous graduate and undergraduate courses in both the Aerospace and the Mechanical Engineering departments, including two courses dealing with vehicle dynamics. His wide research interest spans between typical aerospace disciplines, and vehicle-related research with emphasis on engine cooling and vehicle dynamics.

"This book brings together a wealth of information. It accurately and clearly explains what things work, as well as why they work.
This book will become one of the classics in race car design."

 Albert R. George, J.F. Carr Professor of Mechanical and Aerospace Engineering



Road & Track Illustrated Automotive Dictionary

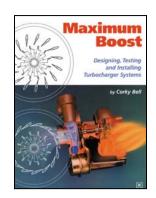
by John Dinkel Softcover, 7-1/2 in. x 9-1/4 in. 260 pages 437 B&W photos & illustrations ISBN 978-0-8376-0143-4

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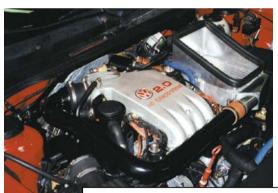
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GTUR \$34.99

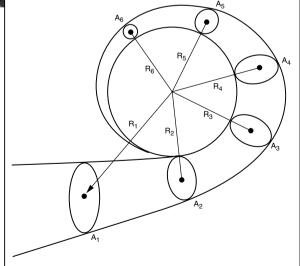
Maximum Boost is the definitive book on Turbocharging. This hands-on book gives you the most detailed information available on understanding designing, setting up, testing and modifying your car with a turbocharging system.

"Maximum Boost by Corky Bell presents a wealth of knowledge on the modern turbocharger and its applications. The turbo world has long needed an up-to-date resource like this, and Maximum Boost will not disappoint."

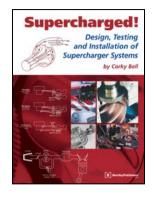
Super Chevy Magazine



Cabrio Turbo Engine



Chapter 3 Definition of the A/R ratio



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by Corky Bell Softcover, 7-7/8 in. x 10-3/8 in. 346 pages 329 B&W photos, illustrations and diagrams

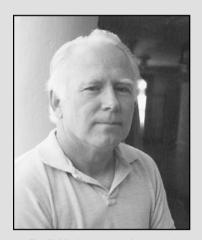
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– www.nellump.net

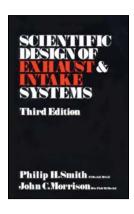


Corky Bell

Born in Albuquerque and raised somewhere between Illinois, Florida, Louisiana, Texas, New Mexico and Europe, he received a degree in mechanical engineering from Texas A&M. The author worked as an engineer

at Bell Helicopter for twelve years. In 1977, he opened Cartech Racing in Dallas after his interest in turbocharging and supercharging grew from a hobby into a business. He subsequently moved Cartech Racing to San Antonio and in 1992 formed Bell Engineering, to expand the scope of business by providing engineering and fabrication services for light aircraft.

While pursuing engineering as a career, Corky spent the years of 1965 through 1981 racing automobiles as an avocation. The hobby of race driving took Corky to events from Daytona to Riverside to Road America in Wisconsin. A minor honor was achieved in 1968 by scoring the highest number of points as an amateur racer in the Sports Car Club of America's National race series.



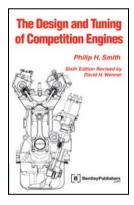
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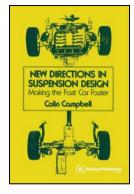
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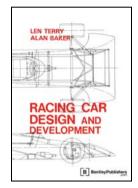
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Racing Car Design and Development

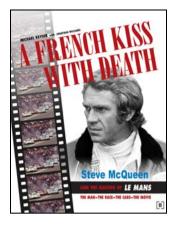
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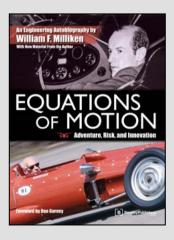
In text and photographs A French Kiss With Death— Steve McQueen and the Making of Le Mans examines the life of actor, Steve McQueen, the films in which he appeared and his love affair with the many cars and motorcycles he owned during his lifetime.



Steve McQueen at Le Mans

"The book features hundreds of excellent photos, while the writing is lively, the pace brisk, and the personal stories spellbinding...highly recommended."

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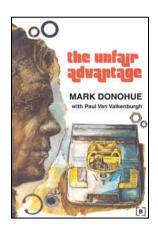
Cam Argetsinger

"... a worthwhile read. Bill Milliken's personal memoir covering the nine decades of his fascinating life is a real treat, and racers will find his track exploits especially entertaining."

Vintage Motorsport



Bill Milliken, age 87, at the wheel of FWD Miller; 1997, Goodwood Hillclimb, England



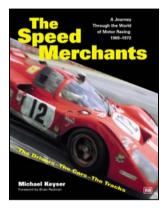
The Unfair Advantage

2nd Edition

by Mark Donohue with Paul Van Valkenburgh Softcover, 6-1/8 in. x 9-1/4 in. 368 pages 53 color photos, 87 B&W ISBN 978-0-8376-0069-7

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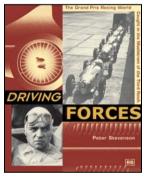
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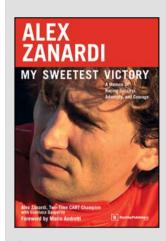
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by Alex Zanardi with Gianluca Gasparini Foreword by Mario Andretti

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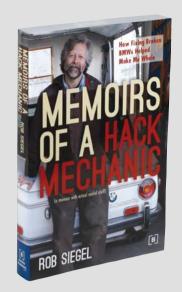
The racing world held its collective breath in 2001 when Alessandro Zanardi lost both his legs in a horrifying accident at the Lausitzring in Germany. The racing world held its breath again nineteen months later while witnessing his incredible return to racing. Bentley Publishers announces the publication of the North American edition of the Alex Zanardi biography, *My Sweetest Victory*, a book which has quickly sold over 50,000 copies in his native Italy.

"Even if you know very little about automobile racing, this is a tremendous story and a tremendous guy who should be and is an inspiration to everybody in their everyday life."

David Letterman



Alex Zanardi celebrating a triumphant victory at Long Beach in 1998.



Memoirs of a Hack Mechanic

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A geophysicist by day and

self-professed car junkie in his free time, Siegel explores his passion for cars with unflinching honesty and offers a unique window into the Car Guy mind. Rob Siegel has owned over twenty-five BMW 2002s over the past three decades.

Rob's column, "The Hack Mechanic," appears in Roundel, the magazine of the BMW Car Club of America. You can also keep up with the latest news about the book by following Memoirs of a Hack Mechanic on Facebook.

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- Autoweek

"It is heartfelt; it is quirky; and it is mine a memoir with actual useful stuff. Who else is going to tell you car stories, give you parenting tips, and tell you how to burn out a snapped-off stud with an oxyacetylene torch?"



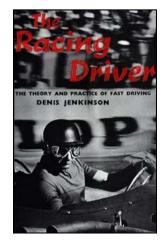
Rob Siegel,"The Hack Mechanic"Roundel, October 2012

Rob removing the engine from Maire Anne's '72 VW Bus in preparation for rebuild and transplant into a '68 VW Camper.



"This funny, frisky book . . . is flecked throughout with nuts and bolts of wisdom. . .

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The Racing Driver

The Theory and Practice of Fast Driving

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When *The Racing Driver* was

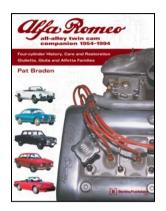
first published in the U.S. in 1959, *Road & Track* magazine hailed it as an "excellent book... the best ever written on contemporary drivers and their racing styles and habits." Over 45 years later, Denis Jenkinson's book has become a classic, highly valued for its historical perspective and views into the personalities of drivers who today seem larger than life.

For the Dad Who Needs Speed. Packed
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from racing's golden age, The Racing
Driver (Bentley Publishers), originally
published in 1958, remains a lively guide
to the how and why of fast driving.

— Esquire
June 16 2015

Page 149 Moss's technique
with the final-oversteering
300SL Mercedes-Benz

Alfa Romeo



Alfa Romeo All-Alloy Twin Cam Companion: 1954-1994

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by Pat Braden

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Alfa Romeo All-Alloy Twin Cam Companion: 1954-1994 provides an excellent technical and historical overview of the Giulietta and Giulia family of small sporting roadsters, coupes and sedans. If an Alfa Romeo had one of the all-alloy four-cylinder engines and reached production, it's covered in the Alfa Romeo All-Alloy Twin Cam Companion.



The Giulietta TI Berlina offered twin cam motoring for tens of thousands of Europeans, but only a handful of Americans

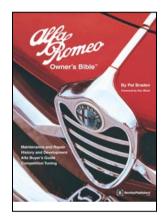
Stocks of the all-alloy, twin-cam engines await installation in new Alfa Romeo Giulias.



The basic underpinnings of the 1965 Giulia Spider Veloce (left) and 1973 GTV (right) were directly derived from the original Giuliettas of 1954.



Alfa Spider



Alfa Romeo Owner's Bible™

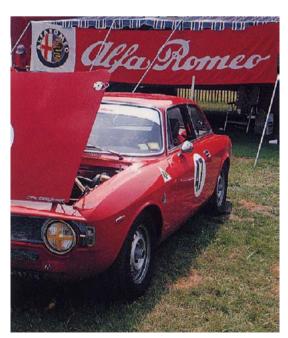
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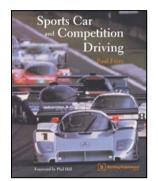


Race-prepped GTA 1300 Junior





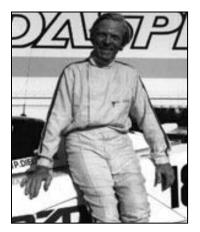
Motorsports



Sports Car and Competition Driving

by Paul Frère
Foreword by Phil Hill
Softcover, 7 in. x 9-1/4 in.
156 pages
78 photos and illustrations
ISBN 978-0-8376-0202-8

First published in 1963, *Sports Car and Competition Driving* sold tens of thousands of copies, establishing it as a standard reference on driving. In this edition, newly revised in 1992, Frère builds on the strengths of the original by explaining how to meet the new challenges posed by radical new developments in automotive technology.

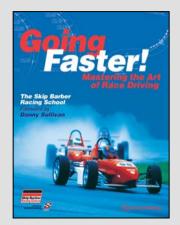


Paul Frère began his racing career in 1946 on motorcycles, but soon moved into automobiles and first drove in competition in the 1948 Spa 24 Hours Race, in a pre-war PB-type MG, finishing 4th in class and 15th overall. Over his distinguished career Frère

has had 11 first-place finishes in Spa production car races alone, in such diverse automobiles as Panhard, Oldsmobile, Chrysler, Alfa-Romeo, Jaguar, Aston Martin and Porsche. Frère had been writing as a journalist as long as he had been racing, since 1946, using his unique viewpoint as both championship driver and engineer to produce articles about automotive and technical subjects, as European Editor for *Road & Track*. Frère passed away on February 23, 2008 in Nice, France at the age of 91.



Chapter 4: From Slipping to Sliding
Frère comes back to the circuit after misjudging
braking distance.



Going Faster! Mastering the Art of Race Driving

Updated Edition

The Skip Barber Racing School

Foreword by Danny Sullivan

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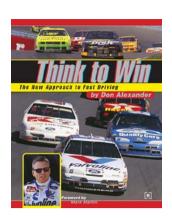
This complete racer's reference is the perfect resource for drivers from novice to expert. The fundamentals of fast driving are revealed in this definitive how-to book for racers. You will find the competition-proven methods of instructors and of professional drivers that will give you the knowhow to work up the track and stay at the front.



Formula Dodge RT 2000's - Sebring, 2002

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Steven Cole SmithCar & Driver Magazine, August, 1998



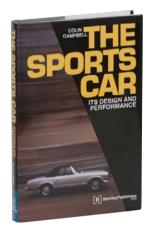
Think to Win

by Don Alexander Softcover. 8 in. x 10 in. 272 pages 254 photos and diagrams ISBN 978-0-8376-0158-8

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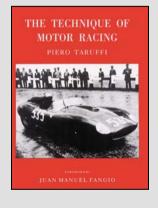
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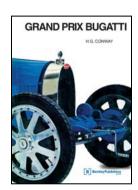


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The Grand Prix Bugatti has a strong claim to a book all of its own, with its enviable record of racing successes, its superb craftsmanship and, for the more mechanically minded, the great variety of its ingenious design features unique to the creations of the great artist designer, Ettore Bugatti.

This book, originally written in 1968, is devoted to the racing Types 35, 37, 43 and 51, in their various forms, and describes their anatomy in detail and their racing achievements. A schedule of individual models, in chassis number order, gives type number, factory date, brief history and where known, the owner (as of 1968); the appendices include tabulated specifications of the types.

Bugatti owners will also find much practical information to help them maintain their historic cars.

Part 1 - Racing History

Part 2 - Design and Construction

Appendix 1

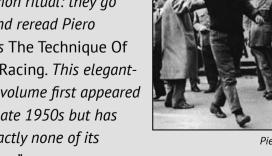
Technical Data

Appendix 2

- Factory Register Data
- Serial Numbers (Type 35, Type 37, Type 43 and Type 51)

art and science of motor racing. He drove for the works teams of Ferrari, Maserati, Alfa Romeo, Mercedes-Benz, and others, in a career that spanned over 25 years and was crowned by his victory in the 1957 Mille Miglia.

Before racing season gets underway, many drivers have a common ritual: they go back and reread Piero Taruffi's The Technique Of Motor Racing. This elegantly slim volume first appeared in the late 1950s but has lost exactly none of its relevance."



Piero Taruffi







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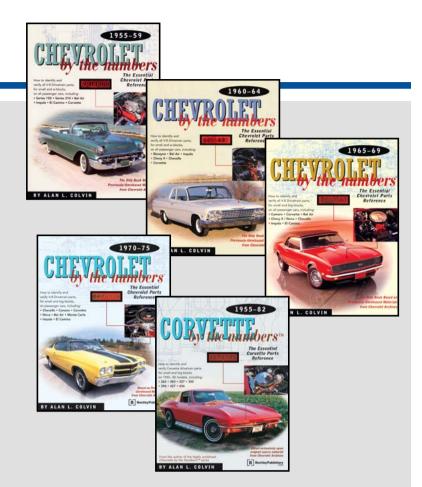
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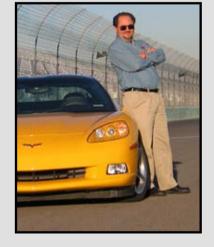
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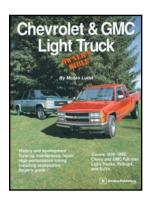
Alan Colvin

Since 1985, Alan has been a freelance automotive feature writer, with articles regularly appearing in national magazines such as Corvette Fever, Super Chevy, Musclecar Review, Automotive Restorer, Pontiac Enthusiast, Old



Cars Weekly, Chevy

High Performance, as well as Corvettemagazine.com. He has also authored several Q & A columns in several publications. For many years, he also was President of Colvin Media Group, Inc., a group of freelance writers and graphic designers which specialized in advertising and catalog copy and design, copy writing and online catalog publications.

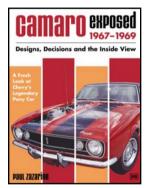


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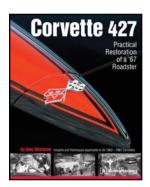
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Corvette



Corvette 427

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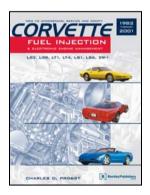
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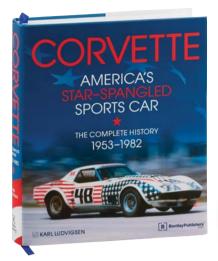
Engines covered: 1982–2001•L83, L98, LS1, LS6, LT1, LT4, ZR1



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"...our favorite book on Chevrolet's most legendary product..."

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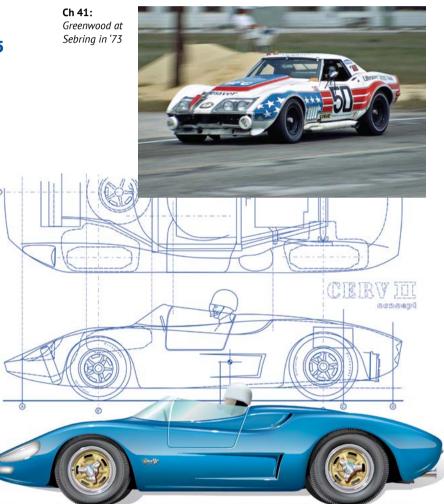
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Dave McLellanCorvette ChiefEngineer,1975–1992

Read more about author **Karl Ludvigsen** on page 21



Karl Ludvigsen with Corvette creators Zora Arkus-Duntov and Bill Mitchell



Ch 24: The planned CERV II, envisioned by Steven Cavalieri





1734 Massachusetts Avenue Cambridge, MA 02138 USA



Jerry Burton Author of

Zora Arkus – Duntov: The Legend Behind Corvette

Zora Arkus-Duntov The Legend Behind Corvette

by Jerry Burton

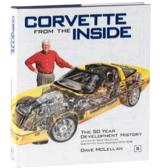
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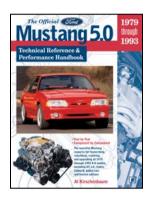
memories of 32 years at General Motors.



18 a Modern Engine 14



Ford



The Ford Mustang 5.0 Technical Reference & Performance Handbook

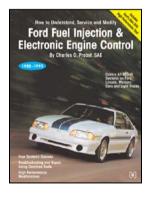
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Ford Fuel Injection & Electronic Engine Control

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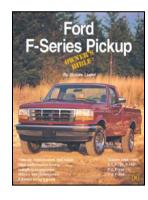
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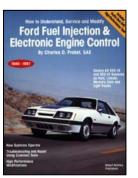
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Comprehensive coverage of Ford F-Series truck models 1948-1995, including:

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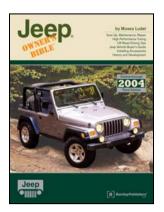
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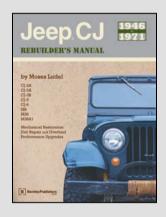
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568 pages
1,371 photos & illustrations
Mopar Performance Part
No: P4510077
ISBN: 978-0-8376-1037-5

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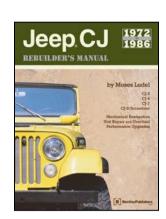
Models covered: 1946 to 1971 Jeep CJ-2A, CJ-3A, CJ-3B, CJ-5, CJ-6 and MB, M38, and M38A1.

Moses Ludel, Jeep vehicle expert, automotive instructor and author of the Jeep® Owner's Bible™, breaks ground with his Jeep® CJ Rebuilder's Manuals. Is it time to rebuild the axles or install a locking differential on your vintage Jeep vehicle? Does your CJ model need a frame-off restoration? Between these covers you will find the unit repair and overhaul steps for rebuilding a Jeep CJ. Moses Ludel demystifies the most complex service procedures with a photograph marking each technical step.



Chapter 3 *T98A/T-18 Four-Speed Rebuild*





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4 Wheel Drive and Sport Utility Magazine



On the bench, the condenser and points come out easily. Old Autolite point sets have one hold-down screw. The breaker arm pivot slides over a support pin on the breaker plate.



Moses Ludel at Bentley's research workshop in Cambridge, Massachusetts.

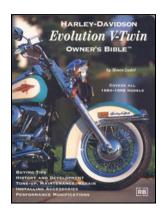
Moses Ludel

An avid fly fisherman, hunter, canoeist, dirt motorcyclist and four-wheeler, Moses Ludel took his first driver's license exam in the family CJ-5. Two years later, at age eighteen, he drove the Rubicon Trail by the back route, entering from the Miller Lake access and tracking the largely unmarked route across the Sierra Mountains to Placerville, California.

Moses worked as a master truck mechanic and heavy equipment operator before earning a Bachelor of Science (Pre-Law/Sociology) degree with honors from the University of Oregon. In 1982, he began teaching adult education courses in Automotive and Diesel Mechanics at the San Diego Job Corps while simultaneously pursuing an automotive writing and photojournalism career with an emphasis on performance and four-wheel drive vehicles.

A body of work now exceeding 2,500 illustrated technical features, stories and columns, plus five lengthy Owner's Bible books for Bentley Publishers, distinguishes Moses' publishing career. Magazine freelance credits include Off-Road, Four-Wheeler, 4WD SUV, 4x4 Magazine Japan, Trailer Life, Motorhome, Popular Hot Rodding, Chevy Truck, Jp Magazine, and many others. While living in the Northwest, Moses wrote the 'Drive Time' technical column for the Portland Oregonian, the region's largest metropolitan newspaper. For a dozen years, he served as technical editor and columnist for Off-Road Magazine. Moses shot the cover photo for the premier issue of Jp Magazine and wrote the Jp 'Q&A' tech column for several years before his return to the vocational education field.

Harley-Davidson



Harley-Davidson Evolution

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Covers Harley-Davidson Evolution V-Twin models from 1984 through 1998.

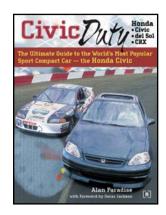
"...this book belongs in the hands of every Harley-Davidson Evolution V-Twin enthusiast..."

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This book covers:

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- Buying an Evolution Motorcycle
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Honda



Civic Duty

The Ultimate Guide to the World's Most Popular Sport Compact Car-the Honda

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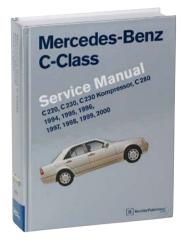
Alan Paradise

Over the past 15
years, Alan Paradise
has established
himself as a leading
automotive journalist.
In 1987, he pioneered
a new enthusiast's
niche by developing a
publication to speak

to a new generation of performance enthusiasts. He defined this segment as "Sport Compact Cars". This vision of the automotive future gave way to the highly successful magazine, which bears that name. Paradise is credited with creating and developing Sport Compact Car magazine; serving as its editor for the title's first four years. He has also served on the staffs of numerous other niche-market publications, including Truckin', MiniTruckin', EuroSportCar, and Street Rodder. Currently, he is the editor of Miata Magazine, PowerLine, Motor Trend Insider, British Motoring, SpinOff and Celebrity Garages. He is a longtime performance enthusiast, owning and building a wide range of cars from classics, muscle cars, street rods, sports cars to import performance cars.



Mercedes-Benz



Mercedes-Benz C-Class (W202) Service Manual: 1994-2000

by Bentley Publishers
Hardcover
8-3/8 in. by 11 in.
1,244 pages
1,275 photos, illustrations and diagrams

ISBN 978-0-8376-1692-6

MBC0.....\$149.95

This manual contains in-depth maintenance, service and repair information for the Merdes-Benz C-Class from 1994 to 2000. 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 Mercedes-Benz owner, this manual helps you understand, care for and repair your car.

Engines covered:

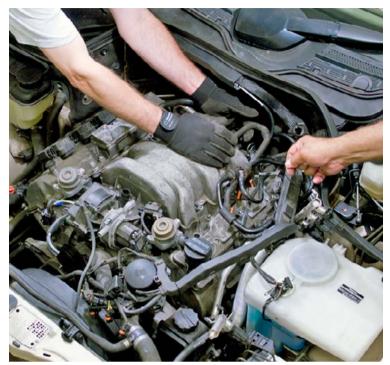
- •C220
- •C230
- C230 Kompressor
- •C280

Transmissions covered:

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Additional technical content

For additional technical content for the Mercedes-Benz C-Class models from 1994 through 2000, visit our **online technical library**.

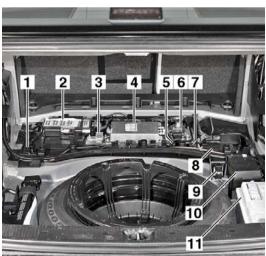


Bentley technical editors removing intake manifold on V6 (M 112) engine.

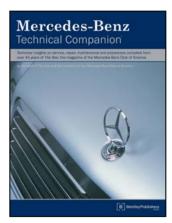


Section 00.04 Maintenance Measuring brake rotor wear.





ECL Electrical
Component Locations
Locations of hundreds of
electrical components:
Communication equipment under trunk floor.



Mercedes-Benz Technical Companion

by the staff of *The Star* with the Mercedes-Benz Club of America

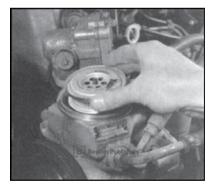
Softcover 8-3/8 in. x 11 in. 412 pages, 746 photos, illustrations and diagrams ISBN 978-0-8376-1033-7

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Since 1956, informed Mercedes-Benz owners have relied upon *The Star*, the magazine of the Mercedes-Benz Club of America, for advice about maintenance, service and repair of their cars. Bentley Publishers has collected some of the best of these do-it-yourself articles and tech tips into the *Mercedes-Benz Technical Companion*TM. No matter which Mercedes-Benz model you drive or desire, this compilation will serve as a valuable technical reference to help you understand and care for your Mercedes-Benz.

This book covers:

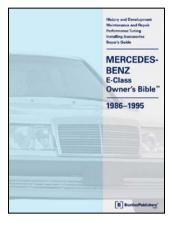
- Lubrication and Maintenance
- Engine, Transmission
- Fuel, Exhaust
- Electrical System
- Body, Interior
- Suspension, Steering, Tires, Wheels
- Brakes
- Heating, Air Conditioning
- Care and Preservation



Chapter 1, Servicing the W126 300SD, Part I Install new power steering fluid filter, then refill reservoir with new fluid

Chapter 9, How to Wax Your Car Like the Pros Polishing with a fine cleaner to remove paint scratches.





Mercedes-Benz E-Class (W124) Owner's Bible™ 1986-1995

by Bentley Publishers
Softcover
8-3/8 in. x 11 in.
352 pages, 495 photos,
illustrations and diagrams
ISBN 978-0-8376-0230-1

GMOB\$49.95

The *E-Class Owner's Bible* is an E-class buyer's guide, maintenance handbook and technical reference source wrapped into one. It is full of tech tips, service hints and system descriptions, plus lots of insightful information about the W124 E-Class chassis.



Chapter 1: Introduction to the E-Class The 500E [E500 above] 32-valve 5.0 liter V-8

Models included in this Mercedes-Benz manual:

Gasoline engine:

- 260E
- 500E
- 300E, 300E 2.6, 300E 2.8, 300E 4MATIC
- •E320 sedan, coupe, cabrio and wagon
- 300CE, 300CE cabrio
- •E420
- 300TE, 300TE 4MATIC
- •E500

•400E

Diesel engine:

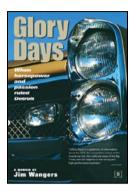
• 300D Turbo, 300D 2.5 Turbo, 300TD Turbo, E300 Diesel

"Anyone who owns or wishes to own a 300E or one of its variants should make sure that Mercedes-Benz E-Class (W124) Owners Bible 1986-1995 has a place on their bookshelf."

-Star Magazine



Pontiac



Glory Days

When Horsepower and Passion Ruled Detroit

by Jim Wangers, with Paul Zazarine

Softcover, 7 in. x 10 in. 348 pages, 223 illustrations and photos, 53 in color ISBN 978-0-8376-0208-0

GGTS \$39.95

In *Glory Days*, Jim Wangers uses his 45-year career in Detroit as the basis for explaining successful brand marketing for automobiles:

- Why brand management for cars is not the same as for other "branded" products
- How to position a model for the best possible tiein promotion-and how not to
- What it takes to establish and evolve a brand image

"Any car maker's greatest asset is their perceived image in the marketplace." Wangers knows what he is talking about, for he was part of the most successful brand marketing campaign to ever come out of Detroit. At a time when such automotive legends as "Bunkie" Knudsen, Pete Estes, and John DeLorean held sway in the Motor City, Jim Wangers created and defined the American musclecar image, devising savvy brand marketing strategies to promote the car that started it all and became a cultural icon: the Pontiac GTO.

"The book provides what is perhaps one of the most comprehensive insights into the workings of the entire domestic auto industry 'Glory Days' should be required reading for anyone even thinking about entering the greater automotive business."

- Pontiac Enthusiast



Learns To Roar Jim Wangers with a '64 Goat

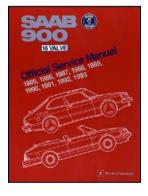
Chapter 8: The Tiger

Saab

Saab Service Manuals

These Saab manuals are the only factory-authorized, comprehensive, single source of service information and specifications available. Whether you're a professional technician or a do-it-yourselfer, these manuals will help you understand, care for, and repair your Saab.

Everything from fundamental automotive concepts and maintenance procedures to complex electrical system troubleshooting and complete engine overhaul is clearly explained. Critical updates and information from the Saab Service Information Manual, the Parts & Service Information System and Saab Service Training have been included, as well as fast, proven repair procedures and tips used by Saab technicians.



Saab 900 16 Valve Official Service Manual: 1985-1993

Including 1994 convertible

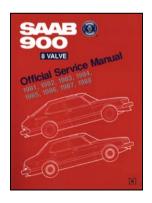
by Bentley Publishers
Hardcover, 8-3/8 in. x 11 in.
622 pages
1,025 illustrations and diagrams
Saab Part No. P/N 02 16 861

ISBN 978-0-8376-1693-3

\$993.....\$79.95

Models covered

- •1985-1993 Turbo, including Turbo SPG
- •1987-1993 Convertible
- •1986-1993 900S
- •1989-1993 900

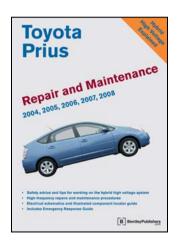


Saab 900 8 Valve Official Service Manual: 1981-1988

by Bentley Publishers
Softcover, 8-3/16 in. x 11 in.,
560 pages
860 illustrations and diagrams
Saab Part No. P/N 02 16 531
ISBN 978-0-8376-0310-0

S988.....\$54.95

Toyota



Toyota Prius Repair and Maintenance Manual: 2004-2008

by Bentley Publishers
Softcover, 8-3/8 in. x 11 in.
648 pages
830 photos and illustrations
ISBN 978-0-8376-1553-0

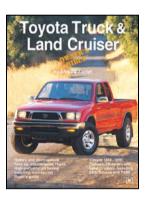
TP08 \$39.95

This book covers:

- •2004-2008 Prius NHW20, 1NZ-FXE engine
- Safety advice and tips for working on the hybrid high voltage system
- High-frequency repairs and maintenance procedures
- Electrical schematics and illustrated component locator quide
- Include Emergency Response Guide

"...a wealth of hybrid technology explained, lots of practical information on the entire car for second-generation Prius owners..."

Road & Track



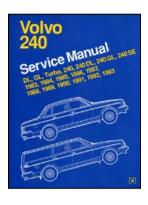
Toyota Truck and Land Cruiser Owner's Bible™

by Moses Ludel Softcover, 8-3/8 in. x 11 in., 378 pages 794 photos and illustrations ISBN 978-0-8376-0159-5

GOWT.....\$39.95

The Toyota Truck & Land Cruiser Owner's Bible™ is the authoritative companion book for your Toyota truck, whether it's a heavy hauling pickup, rugged off-road FJ40, or a new Land Cruiser that's never left pavement.

Volvo



Volvo 240 Service Manual: 1983-1993

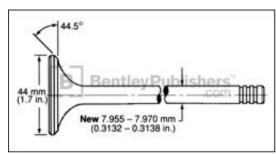
by Bentley Publishers
Hardcover, 8-1/2 in. x 11 in.
572 pages
882 illustrations and diagrams, including 66 pages of wiring diagrams
ISBN 978-0-8376-1626-1

L293 \$49.95

A comprehensive source of service information and specifications for Volvo 240 and other Volvo 200-series cars built from model years 1983 through 1993.



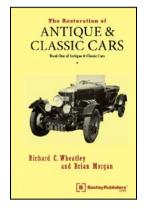
170-9 Maintenance
Program
Detailed, easy-tofollow procedures and
specifications for routine
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scheduled maintenance
like replacing the air
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British Cars



The Restoration of **Antique and Classic Cars Book One of Antique and Classic Cars**

by Richard C. Wheatley with Brian Morgan

Hardcover, 5-1/2 in. x 8-1/2 in. 208 pages 65 illustrations and photographs

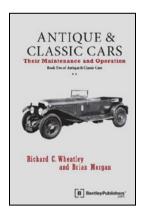
ISBN 978-0-8376-0135-9

X135.....\$34.95

The Restoration of Antique and Classic Cars by Richard C. Wheatley and Brian Morgan is an essential handbook for the automotive enthusiast who owns or is acquiring a car in need of restoration. Originally published in the United Kingdom in 1958 under the title The *Restoration of Vintage and Thoroughbred Cars*, today it is justifiably considered to be a classic and informative description of the work involved in overhauling and restoring antique and pre-war British cars.

Here is a practical book of interest to those embarking on the task of restoring a vintage or pre-war thoroughbred car...The authors...deal with their subject in great detail.

Motor Sport Magazine



Antique and Classic Cars: Their Maintenance and Operation

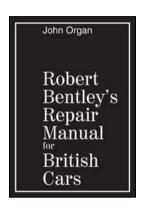
Book Two of Antique and Classic Cars

by Richard C. Wheatley with Brian Morgan

Hardcover, 5-1/2 in. x 8-1/2 in. 176 pages 40 illustrations and photographs ISBN 978-0-8376-0203-5

X003.....\$34.95

Antique & Classic Cars: Their Maintenance and Operation is a companion volume to Wheatley and Morgan's standard work The Restoration of Antique and Classic Cars. In this book they continue the story from where it was left previously, taking the reader out onto the road with his car, and instructing him how best to maintain it in the impeccable condition it deserves.

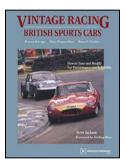


Robert Bentley's Repair Manual for British Cars

by John Organ Softcover 7 in. x 10 in. 380 pages 377 B&W photos & illustrations ISBN 978-0-8376-0041-3

X041\$44.95

Written in 1970, Robert Bentley's Repair Manual for British Cars is a classic in the field of British car repair and maintenance guides. Back in print after almost twenty-five years, this comprehensive reference book is extensively illustrated with detailed photographs, technical diagrams and charts. With fourteen chapters covering topics ranging from engine overhaul & reconditioning, curing universal joint failure and solving cooling system problems, this service manual is a crucial reference source of technical automotive repair information for pre-1970 British marque vehicles.



Vintage Racing British **Sports Cars**

Proven Set-ups, Race Preparation, Buyer's Guides

by Terry Jackson Softcover, 8-1/2 in. x 11 in. 208 pages

ISBN 978-0-8376-0153-3

A Hands-On Guide to Buying, Tuning, and Racing **Your Vintage Sports Car**

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Author Terry Jackson has interviewed racers, tuners, and race organizers and created the most comprehensive, authoritative quide to



vintage racing. Vintage Racing British Sports Cars takes you marque-by-marque through the excitingand still relatively affordable-world of British sports cars. It tells you how to select and buy the right car, how to prepare it for the track, and how to get started if you've never raced before.

Austin-Healey



The Complete Official 948 cc & 1098 cc Austin-Healey Sprite/ MG Midget: 1961-1966

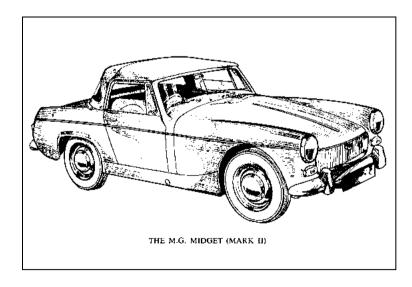
by British Leyland Motors
Hardcover, 8-1/2 in. x 11 in.
256 pages
218 illustrations and diagrams
ISBN 978-0-8376-1747-3

X023.....\$80.00

Originally published in 1967, The Complete Official 948 cc & 1098 cc Austin-Healey Sprite / MG Midget: 1961-1966 was prepared in close cooperation with British Leyland Motors in order to provide complete, authentic maintenance and repair information. The Driver's Handbook at the beginning of this manual is similar to the handbook that was provided with every new 948 cc and 1098 cc Sprite and Midget. The Workshop Manual, making up the larger part of this book, is the official factory manual and was originally intended for use by dealer service departments. The publisher has incorporated additional factory procedures and specifications that have become available following the publication of the original factory information.

Includes:

- Official Austin-Healey Sprite / MG Midget Driver's Handbook
- Official Austin-Healey Sprite / MG Midget Workshop Manual
- Official Austin-Healey Sprite / MG Midget Special Tuning Manual





The Complete Official 1275 cc Austin-Healey Sprite/MG Midget: 1967-1974

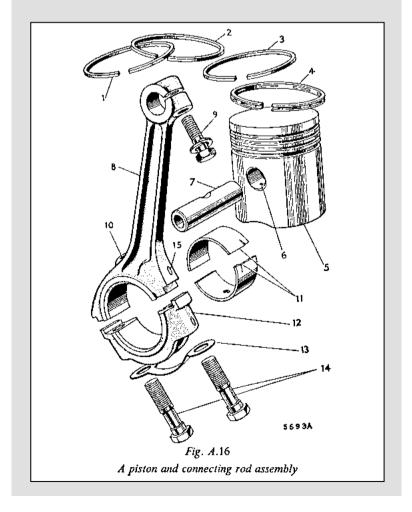
by British Leyland Motors
Hardcover, 8-1/2 in. x 11 in.
400 pages
411 illustrations and diagrams
ISBN 978-0-8376-1748-0

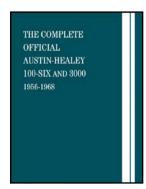
X027.....\$80.00

Includes:

- Official Austin-Healey Sprite / MG Midget Driver's Handbook
- Official Austin-Healey Sprite / MG Midget Workshop Manual
- Official Austin-Healey Sprite / MG Midget Workshop Manual Supplement (Engine Emission Control)

This manual contains emission control information that applies specifically to 1275 cc Sprite and Midget vehicles manufactured for the United Kingdom and North American markets, and an illustrated catalog of special tools. Including accurate and comprehensive service information for 1967-1974 1275 cc Sprite and Midget vehicles, this manual is an indispensable resource for both the professional mechanic and the 1275 cc Sprite and Midget enthusiast.



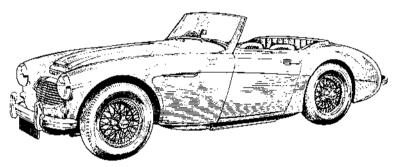


The Complete Official Austin-Healey 100-Six and 3000: 1956-1968

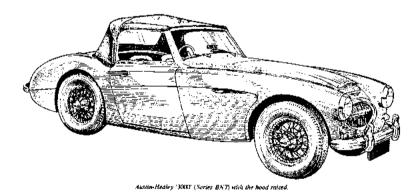
by British Leyland Motors Hardcover, 8-1/2 in. x 11 in. 416 pages 369 illustrations and diagrams ISBN 978-0-8376-1743-5

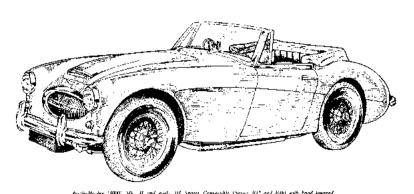
X133.....\$80.00

This manual was prepared in close cooperation with British Leyland Motors in order to provide complete, authentic, and up-to-date maintenance and repair information to owners, dealership service departments, and other professional mechanics. The Workshop Manual is the official factory manual and includes information from the Driver's Handbook, which is the handbook provided with every new Austin-Healey. This manual contains emission control information that applies specifically to Austin-Healeys manufactured for the United Kingdom and North American markets, and a complete, illustrated catalogue of special tools.



Healey '100-Six' (Series BN4) with hood to





Jaguar



The Complete Official Jaguar "E", **Series 1 and Series 2:** 1961-1971

Includes Driver's Handbook, **Workshop Manual, Special Tuning Manual**

by Jaguar Cars, Ltd.

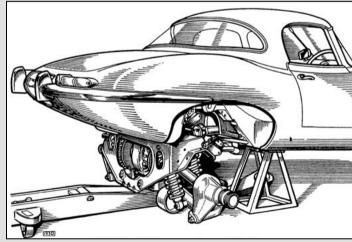
Hardcover, 8-1/2 in. x 11 in. 792 pages, 801 illustrations and diagrams ISBN 978-0-8376-1764-0

X136.....\$105.00

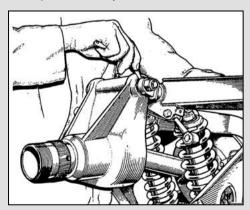
The Complete Official Jaguar "E": 1961 - 1971 compiles the original Jaguar service manuals (repair manuals) for the Series 1 and Series 2 E-Type into one handy volume. It also includes a reprint of the original owner's manual as well as a section on modifying an E-Type for what would now be considered vintage racing. It is an essential reference guide to repairing and maintaining a Jaguar E-Type.

Includes:

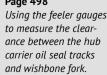
- Official Jaquar 4.2 "E" Type & 2+2 Driver's Handbook
- Jaquar Workshop Manual 3.8 "E" Type and 4.2 "E" Type **Including Series 2**
- Special Tuning Manual



Page 489 Removal of the rear suspension assembly.

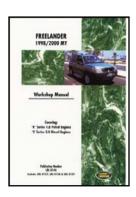


Page 498 to measure the clear-





Land Rover



Land Rover Freelander Workshop Manual: 1998-2000

Softcover, 8-1/4 in. x 11-1/2 in. 586 pages
Rover Group Publication No. LRL0144
ISBN 978-0-8376-1631-5

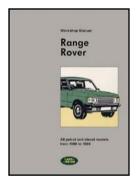
YRX6.....\$139.95

Range Rover

Range Rover Workshop Manual: 1970-1985

Softcover, 8-1/4 in. x 11-1/2 in. 858 pages Rover Group Publication No. AKM3630 ISBN 978-0-8376-0563-0

YVW1.....\$104.95



Range Rover Workshop Manual: 1986-1989

Softcover, 8-1/4 in. x 11-1/2 in. 1,296 pages Rover Group Publication Nos. SRR660ENWM & LSM180WS4 ISBN 978-0-8376-0606-4

YVW3.....\$139.95



Range Rover Workshop Manual: 1995-2001

Softcover, 8-1/4 in. x 11-1/2 in. 572 pages Rover Group Publication No. VDR100370 ISBN 978-0-8376-0671-2

YVW5 \$149.95

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MG

Important note: In the 60s and early 70s, MG Midgets were essentially rebadged and slightly restyled Austin Healey Sprites. As such, MG Midget coverage from model years 1961 to 1974 can be found in:

The Complete Official 948 cc & 1098 cc Austin-Healey Sprite / MG Midget 1961-1966 (X023) page 67

The Complete Official 1275 cc Austin-Healey Sprite / MG Midget 1967-1974 (X027) page 67



The MG Workshop Manual: 1929-1955

Complete Tuning and Maintenance for Models from "M" type to "T.F. 1500"

by W.E. Blower Hardcover 7 in. x 10 in.

608 pages, 368 illustrations ISBN 978-0-8376-1746-6

X017.....\$80.00

This is the classic MG service manual recommended by the factory and known simply among MG enthusiasts as the "Blower Book" - a tribute to its author. It provides tuning and maintenance procedures for MGs from the first "M" type Midget of 1929 through the TF 1500. As you would expect, the official MG repair information is given for normal maintenance and repair, along with complete specification data sheets, lubrication charts, wiring diagrams, and a complete list of engine parts. High-performance information covering supercharger installation, and the factory's Special Tuning Handbooks for Trials Work are also included, which will be of particular interest to vintage and historic racers.

Models included in this MG repair manual:

• M Midget 1929-1932

•F Magna 1931-1932

•D Midget 1931-1932

•J1 & J2 1932-1934

•J3 1932-1933

•J4 1933

•K3 1933-1934

•KN 1934-1935 •L1 & L2 Magna

1933-1934

• PA Midget 1934-1935

• PB Midget 1935-1936

•TB Midget 1939

•VA 1-1/2L 1937-1939

•SA 2L 1936-1939

•WA 2.6L 1939

•TC Midget

• NA Magnette

TA Midget

•TD Midget

Y Saloon

YT TourerQA Midget

• RA Midget

•TF Midget

•TF 1500







The Complete Official MGB: 1962–1974

Hardcover, 8-1/2 in. x 11 in. 480 pages, 650 illustrations ISBN 978-0-8376-1761-9

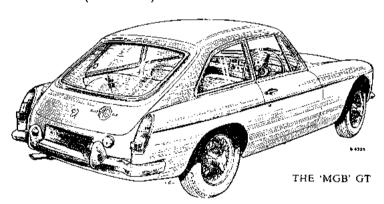
X115.....\$80.00

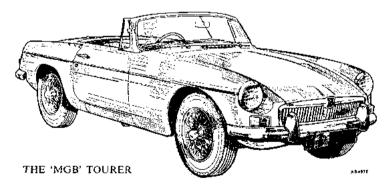
Includes:

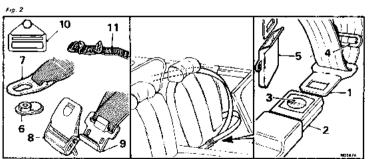
- Official MGB Driver's Handbook
- Official MGB Workshop Manual
- Official MGB Special Tuning Manual

Engines included in this MGB repair manual:

- •18G, 18GA, 18GB, 18GD, 18GF
- •18GG, 18GH, 18GJ, 18GK (Standard, Overdrive)
- •18V 581F, 18V 581Y (Standard)
- •18V 582F, 18V 582Y (Overdrive)
- •18V 583F, 18V 583Y (Automatic)
- •18V 584Z (Standard)
- 18V 585Z (Overdrive)
- •18V 672Z (Standard)
- •18V 673Z (Overdrive)







Page 29 Part 2 Driver's Handbook: Care and use of the belts.



The Complete Official MGB: 1975-1980 Workshop Manual

Hardcover, 8-1/2 in. x 11 in. 304 pages 419 illustrations and diagrams ISBN 978-0-8376-1760-2

X112 \$70.00

The Complete Official MGB: 1975-

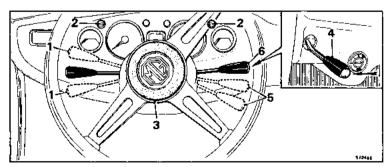
1980 includes technical coverage of models sold in the United Kingdom and in North America during the model years 1975-1980. The Driver's Handbook, which comprises the first part of this manual, is the handbook which was provided with new MGBs. The Workshop Manual, which comprises the second-and largest-portion of this manual, is the official MGB factory repair manual. This manual contains emission control information that applies specifically to MGBs manufactured for the US market, and a complete illustrated catalog of special tools.

Includes:

- Official MGB Driver's Handbook
- Official MGB Workshop Manual

Engines Included in this MGB repair manual:

Year	Engine
1975	18V 797AE Standard
1975	18V 798AE Overdrive
1976	18V 797AE Standard
1976	18V 798AE Overdrive
1976	18V 801AE Standard with Catalytic Converter
1976	18V 802AE Overdrive with Catalytic Converter
1977- 1980	18V 883AE Standard with Catalytic Converter
1977- 1980	18V 890AE Standard with Catalytic Converter
1977- 1980	18V 884AE Overdrive with Catalytic Converter



Page 6 Instruments and Switches.





The Complete Official MG Midget 1500: 1975-1979

Hardcover, 8-1/2 in. x 11 in. 384 pages Over 650 illustrations and diagrams ISBN 978-0-8376-1744-2

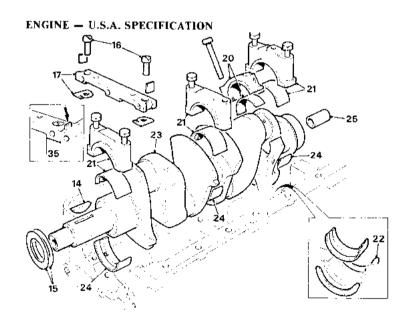
X131.....\$70.00

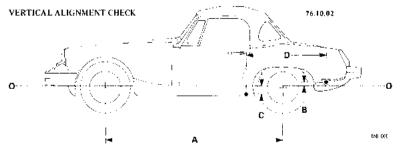
Originally published in 1980, *The Complete Official MG Midget 1500: 1975-1979* repair manual was prepared in close cooperation with British Leyland Motors in order to provide complete and authentic maintenance and repair information.

The Driver's Handbooks, which comprise the first three parts of this manual, are the handbooks that were provided with every new MG Midget 1500. The Workshop Manual, which comprises the fourth-and largest-portion of this manual, is the official factory manual.

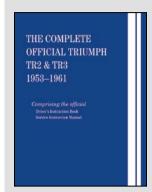
Includes:

- Official MG 1500 Driver's Handbook: 1975-1976 (USA Edition)
- Official MG 1500 Driver's Handbook: 1977-1978 (USA Edition)
- Official MG 1500 Driver's Handbook: 1979 (USA Edition)
- Official MG 1500 Workshop Manual





Triumph



The Complete Official Triumph TR2 & TR3: 1953-1961

Includes Driver's Instruction book and Service Instruction Manual

Hardcover, 8-1/2 in. x 11 in. 456 pages 337 photos and illustrations

ISBN 978-0-8376-1750-3

X125.....\$80.00

Includes:

- Triumph TR2 & TR3 Owner's Manual: 1953-1961
- Triumph TR2 & TR3 Repair Manual: 1953-1961





The Complete Official Triumph TR6 & TR250: 1967-1976

Includes Driver's Handbook, Workshop Manual

Hardcover, 8-1/2 in. x 11 in. 608 pages 987 illustrations and diagrams

ISBN 978-0-8376-1762-6

X119.....\$95.00

Includes:

- Official Triumph TR6 and TR250 Driver's Handbook
- Official Triumph TR6 and TR250 Workshop Manual



The Complete Official Triumph GT6, GT6+ & GT6 MK III: 1967-1973

Includes Driver's Handbook, Workshop Manual

Hardcover, 8-1/2 in. x 11 in. 480 pages 856 photos and illustrations

ISBN 978-0-8376-1749-7

X120.....\$80.00

This manual is an accurate and comprehensive set of service information for Triumph GT6, GT6+ and GT6 MK III models sold in the UK and North America during the model years 1967-1973.

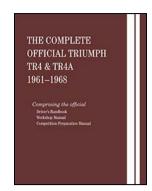
Includes:

- Triumph GT6 Owner's Manual
- Triumph GT6+ Owner's Manual
- Triumph GT6 MK III Owner's Manual
- Triumph GT6, GT6+ and GT6 MK III Repair Manual





Page 336 Part 1 Driver's Handbook: Rear Door.



The Complete Official Triumph TR4 & TR4A: 1961-1968

Includes Driver's Handbook, Workshop Manual

Hardcover, 8-1/2 in. x 11 in. 404 pages ISBN 978-0-8376-1741-1

X121.....\$80.00

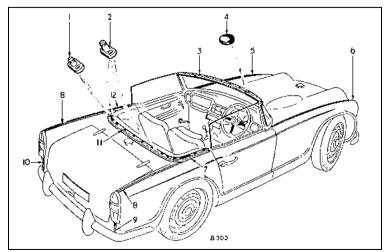
Includes:

- Triumph TR4 & TR4A Owner's Manual
- Triumph TR4 & TR4A Repair Manual
- Triumph TR4 & TR4A Competition Preparation Manual by R.W. "Kas" Kastner

At the end of *The Complete Official Triumph TR4 & TR4A: 1961-1968* you'll find the complete text of the original TR4 & TR4A Competition Preparation Manual. Written by Triumph Competitions Manager R.W. "Kas" Kastner, this supplemental section contains factory-approved racing prep procedures specifically written for the TR4 and TR4A racer.



Page 277 Checking front wheel alignment.



Page 325 General arrangements of Beadings, Cappings and Mouldings.





The Complete Official Triumph Spitfire 1500: 1975-1980

Includes Driver's Handbook, **Workshop Manual**

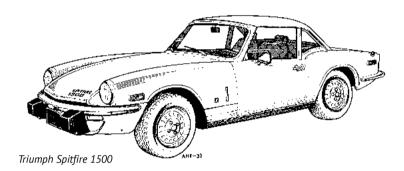
Hardcover, 8-1/2 in. x 11 in. 520 pages 781 illustrations and diagrams

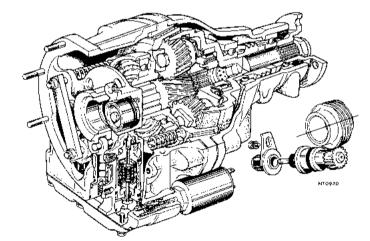
ISBN 978-0-8376-1745-9

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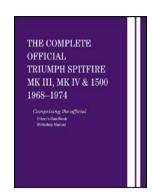
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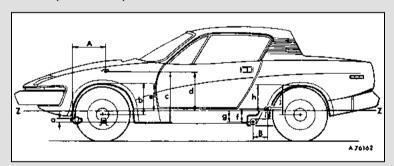
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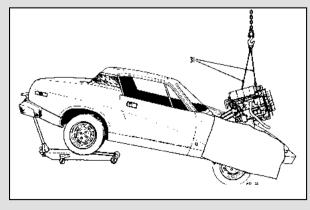
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