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The aim
throughout
this manual
has been
simplicity,
clarity and
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working on his
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make it
possible to

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intelligently
with a
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The model that
truly launched
BMW into the
performance
arena in the
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were the second generation of 3-series cars. Today, the E30 family of BMWs are both readily affordable, and are popular with enthusiasts

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wanting to
personalize
them.

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for BMW X5

models from

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repair your
BMW. Models
and engines: *

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

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(Valvetronic)

* 4.6is M62 TU
engine, V8 4.6
liter * 4.8is
N62 engine, V8
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Transmissions

(remove,

install,

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service): *

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S5D 280Z *

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GS6-37BZ *

Automatic
5-speed A5S
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Automatic
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Service

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Coupe up
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to 1990
BMW 3- &
5-series
Service and
Repair Manual
LS Swaps
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1992-1998

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- Revised
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one hundred
years of BMW
car and
motorcycle***

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detailed text.
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maintenance,
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information for
the E60 and E61
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2010. The aim
throughout has
been simplicity***

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***manual helps
you understand,
care for and
repair your
BMW. Models
covered 525i
and 530i * M54
engine
(2004-2005) *
N52 engine
(2006-2007)
528i * N52K***

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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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thorough
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clear photos.
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manuals are
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pros, but***

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**written for the
do-it-yourselfer.
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introduction in
1975, the BMW
3-series has
earned a
reputation as
one of the
world's greatest
sports sedans.
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one of the more
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service and
maintain. This
book is
dedicated to the
legion of BMW
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who adore their
cars and enjoy
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maintaining
them to
perfection; its
format allows
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1.8L Turbo, 1.9L

TDI and PD

Diesel, 2.0L

Gasoline, 2.8L

VR6 : A4

Platform

Service Manual :

Coupe, Targa,

and Cabriolet :

1978, 1979,

1980, 1981,

1982, 1983

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**BMW 3-Series
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**740i, 740iL,
750iL: 1995,**

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**1996, 1997,
1998, 1999,
2000 2001**

The BMW 3 Series
(F30, F31, F34)
Service Manual:
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in-depth
maintenance, service
and repair
information for the
BMW 3 Series from
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Series. Engines

(Gasoline): N20

engine: 320i, 328i,

including xDrive N26

(SULEV) engine:

328i including xDrive

N55 engine: 335i,

including xDrive

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530i * M54 engine
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engine (2006-2007)

528i * N52K engine
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N54 twin turbo
engine (2008-2010)
545i * N62 V8 engine
(2004-2005) 550i *
N62 TU V8 engine
(2006-2010)

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A4 models from 2002
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B6 or B7 platforms.
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owners is of top
priority to Audi and
has always included
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development and
introduction of new
and expanded
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manual will help you

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and repair your Audi.

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

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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)

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Volkswagen Jetta,
Golf, GTI Service
Manual: 1999-2005.
This repair manual
covers the late 1999
through 2005 model
year Jetta, Golf, and
GTI built on the
Volkswagen "A4"
platform. New
coverage of the 1.9-
Liter TDI Engine

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BMW 7 Series

Memoirs of a Hack
Mechanic

BMW X3 (E83)

Service Manual:

2004, 2005, 2006,
2007, 2008, 2009,
2010: 2.5i, 3.0i,

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3.0si, Xdrive 30i

4.6L & 5.4L Ford

Engines

Service Manual

2002, 2003, 2004,

2005, 2006, 2007,

2008, Including

Avant and Cabriolet

Ford GT

The chaise-longue by

Le Corbusier, the radio

by Rams, the chair by

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make things into cult

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objects and become icons themselves. But who knows which coupé was designed by Frua, which limousine by Engel, which station wagon by Opron? For a long time, car design was considered to be anonymous, the designers stood in the shadow of the perception of the

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design, even though their designs can be found on the roads in millions. This richly illustrated book captures the origin of a profession and maps the development of car design based on a comprehensive introduction and the career biographies of over 200 selected designers who

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specifically for E36
platform BMW 3
Series models from
1989 to 1995. E36
models and engines
covered: * 318i/is/iC
(M42 - 1.8 liter engine)
(M44 - 1.9 liter engine,
OBD II) * 323is/iC
(M52 - 2.5 liter engine,
OBD II) * 325i/is/iC
(M50 - 2.5 liter engine)
* 328i/is/iC (M52 - 2.8
liter engine, OBDII) *

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M3 (S50US - 3.0 liter engine) (S52US - 3.2 liter engine, OBD II)
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Petrol (81 - 91) up to J
3-Series (E30) 316, 316i, 318i, 320i, 325i; Saloon, Touring & Convertible (83 - 91, up to H). 5-Series (E28) 518, 518i, 525i, 528i, 535i, M535i; Saloon (81 - 88, up to F). 5-Series (E34)

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518i, 520i, 525i, 530i,
535i; Saloon &

Touring (88 - 91, F to J). Does NOT cover models with DOHC, V8 or Diesel engines, or 4x4. For other 3- & 5-series models see manuals no. 0276, 0632, 0815, 1560 or 3210 Petrol: 1.6 litre (1596cc) 1.8 litre (1766 & 1795cc) 2.0 litre (1990cc). 2.5 litre

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(2494cc). 2.8 litre
(2788cc) 3.0 litre
(2986cc) & 3.5 litre
(3430cc) SOHC.

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Restoration Bible

BMW X5 (E53)

Service Manual: 2000,
2001, 2002, 2003,
2004, 2005, 2006:

3.0i, 4.4i, 4.6is, 4.8is

BMW 5 & 6 Series

E12 - E24 - E28 -E34

Restoration Tips and
Techniques

Service Manual ; 735i,

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735iL, 740i, 740iL,
750iL, 1988, 1989,
1990, 1991, 1992,
1993, 1994

525i, 528i, 530i, 535i,
545i, 550i: 2004,
2005, 2006, 2007,
2008, 2009 2010:
2004, 2005, 2006,
2007, 2008, 2009
2010

Service and Repair
Manual

The E36 was the

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embodiment of the luxury sports sedan, and the standard that other manufacturers strived to reach. And as such, the BMW 3 Series became wildly popular with BMW manufacturing 2.67 million E36 cars worldwide from 1992 to 1999.

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The new E36 featured a more aerodynamic design, potent dual overhead cam engine, multilink rear suspension, and a more luxurious interior than its predecessor. The E36 BMW seamlessly blended exhilarating

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limited-slip differentials. The BMW 3 Series has set the benchmark for performance and luxury. But even at this benchmark, these cars can be dramatically improved. Each major component group of the car can be modified or

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and maintenance
with your
professional
automotive
technician.***

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written to help
anyone who wants
to learn how to
service their car.***

***The text is large,
the pictures are in
color and the***

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procedures are demonstrated in YouTube videos. The book is intended to be a guide and although it is not a shop manual, it was designed to be comprehensive without getting to the technical level of wiring diagrams and engine rebuild

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*procedures. It's for
everyday people*

*who want a well-
rounded complete
guide to show them
how to take care of
their car. This
book will guide you
in learning how to
perform money
saving services on
your car. Written
in large text,
illustrated in full*

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color, and supported by YouTube videos, it covers car safety, car systems, and car service Here are a few examples of recommended minimum safety practices * let someone know whenever you plan to work under a vehicle * wear

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***Safety glasses, *
always using wheel
chocks * and
always use jack
stands whenever
you raise a
vehicle We also
explain how the
primary systems in
a car work, such
as: * the ignition
system * the
cooling system
and * the fuel***

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***system There are
step-by-step
demonstrations
that show you how
to perform many
service procedures,
including: * how to
change your oil *
how to perform a
tune-up * how to
do a brake job* and
many more
BMW owners and
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**members provide
specific
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Valuable insights
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ranging from basic
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BMW, from properly washing and waxing your car, to how to reset the service indicator lights- Driving techniques ranging from basic car control to choosing apexes on the track- Discover whether your car oversteers or understeers, and

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how weight transfer affects traction and vehicle performance- Learn the difference between torque and horsepower, and how to select the right tires for your BMW- Find out which performance modifications

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*work, which ones
don't and why
Volkswagen Jetta,
Golf, GTI 1999,
2000, 2001, 2002,
2003, 2004, 2005
Automotive
Mechatronics
BMW 5 Series
Service Manual
How Fixing Broken
BMW's Helped
Make Me Whole
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understanding
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BMW, look no
further! See
and learn how
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This in-depth
manual provides
maintenance

procedures for
everything from
brake fluid

changes to
resetting the
service

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indicator.

Covers M3,
318i, 323i,
325i, 328i,
sedan, coupe
and convertible
models 1992-98.
Hatchback and
Coupe models
with 4-cylinder
petrol and
diesel engines.
1.6 litre

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(1596cc) and
2.0 litre
(1995cc) petrol
engines. 2.0
litre (1995cc)
diesel engine.
Does not cover
2.5 or 3.0
litre engines,
or features
specific to
Convertible.
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cars from
1984-1990.

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maintain, and

repair every

system on 3

Series cars.

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BMW. Engines

covered: M54

engine: 2.5i,

3.0i

(2004-2006) N52

engine: 3.0si,

xDrive 30i

(2007-2010)

Transmissions

covered:

Manual: ZF

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GS6-37BZ

(6-speed)

Automatic: GM

A5S390R

(5-speed)

Automatic: GM

GA6L45R

(6-speed)

1. 9, 2. 3, 2.

5i, 2. 8, 3.

0i, 3. 2

Including Z3

Roadster, Z3

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1997, 1998,
1999, 2000,
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Its design

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exceptional
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and
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maybe due to
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of its design,
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keen driver or

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BMW 5 Series
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Service

Manual: 2004,

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525i, 525xi,

528i, 528xi,

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Manual

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*330i/Cis/xi (M54, 3.0
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3.2 liter Motorsport
engine)*

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- Maintenance procedures: from

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*changing oil to adjusting
front wheel bearing
play- Illustrated engine
disassembly and
rebuilding- Dry-sump
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and diagnosis- Replacing
leaky oil return tubes
with the engine installed-
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transmission- Clutch
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*hydraulics service; pedal
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