

BMW Z4 1996-2002 Workshop Manual

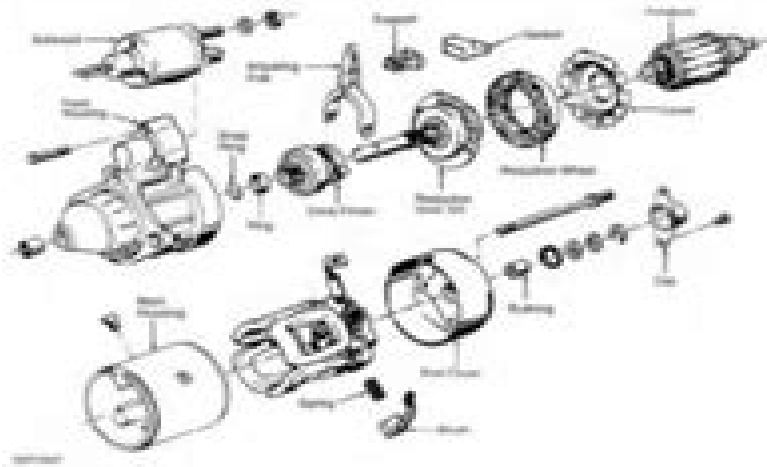


Fig. 2. Exploded View Of Bosch Reduction Gear Starter (Typical)
Courtesy of BMW OF NORTH AMERICA, INC.

STARTER SPECIFICATIONS

STARTER SPECIFICATIONS

| | |
|---|-------------------|
| Application | Specification |
| Axial Amature Play | 1-2 mm |
| Brush Length | 27 mm (Minimum) |
| Operating Voltage | 11.7, 12.3, 14.0V |
| Rated Power | |
| S470, S471, S53 | 1.7 kW |
| S471 | 2.2 kW |
| S480, S482 | 1.7 kW |
| S470, S473 | 2.2 kW |
| S471 | 2.2 kW |
| S487 | 2.4 kW |
| S43 | 1.7 kW |
| Current Consumption At Terminal 50 (Rated Power Of 1.4 kW) | |
| Pull-In Winding | 34.7 A |
| Hold-In Winding | 18.3 A |
| Current Consumption At Terminal 50 (Rated Power Of 1.7 kW with Intermediate Transmission) | |
| Pull-In Winding | 31 A |
| Hold-In Winding | 16.3 A |
| Current Consumption At Terminal 50 (Rated Power Of 1.8 kW) | |
| Pull-In Winding | 30 A |
| Hold-In Winding | 15.7 A |
| Current Consumption At Terminal 50 (Rated Power Of 2.0 kW) | |



Timing Drive Belt Running Without Auxiliary Tensioning Pulley (M52, M54 & S52)
BMW OF NORTH AMERICA, INC.



Bmw Z3 Repair Manual

Tracy Martin



Bmw Z3 Repair Manual:

BMW Z3 Service Manual: 1996-2002 Bentley Publishers,2005 Bentley Publishers is proud to announce the publication of the BMW Z3 Roadster Service Manual 1996 2002 This repair manual supersedes our 1996 through 1998 BMW Z3 repair manual with four more model years of coverage and repair information for the M Coupe and M Roadster With extensive new information as well as revisions throughout this book is the comprehensive source of service information and technical specifications available for the BMW Z3 Roadster and Coupe **BMW Z3 Service Manual** Bentley Publishers,2005-04-01

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BMW Z3 Roadster ,1998 This Bentley Manual is the only comprehensive single source of service information specifications available for BMW Z3 Roadster from 1996 to 1998 The aim throughout this manual has been simplicity clarity completeness with practical explanations step by step procedures accurate specifications Whether you re a professional or a do it yourself BMW owner this manual will help you understand care for repair your Z3 Roadster **Bentley BMW 3**

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Automotive Repair Manual 1992-1998 John Haynes, 2000-05-30 Haynes Includes Z3 models **How to Use Automotive Diagnostic Scanners** Tracy Martin, **BMW 3-series** Robert Bentley, inc, Bentley Publishers, 1991 Engine coverage 1.8 liter 4 cylinder B18 2.7 liter 6 cylinder B27 2.5 liter 6 cylinder B25 Transmission coverage Getrag 240 4 cylinder cars Getrag 260 6 cylinder cars Chilton's BMW Ben Greisler, 2001 *The Leading Edge* Goro Tamai, 1999 The purpose of this book is to provide a basic understanding of the aerodynamics involved in designing an ultra streamlined land vehicle It describes many of the important design goals and parameters for producing a low drag body It is designed to be a how to manual for the budding ground up solar car and ultralight vehicle constructor as well as the solar electric ultralight vehicle enthusiast
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