

BMW Z3 1996-2002 Workshop Manual

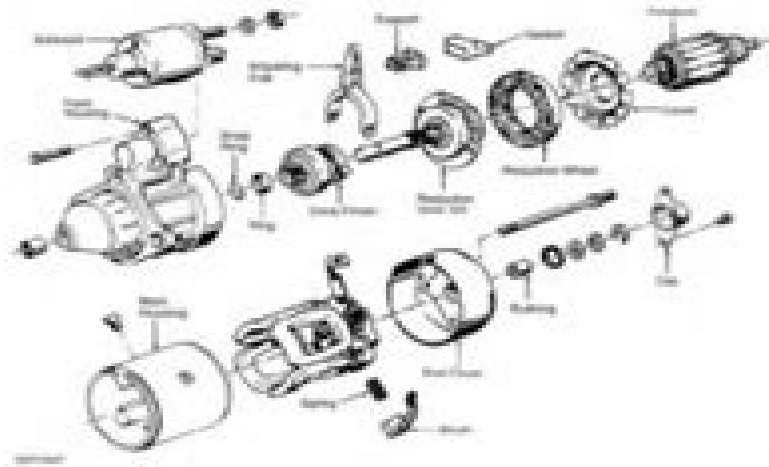
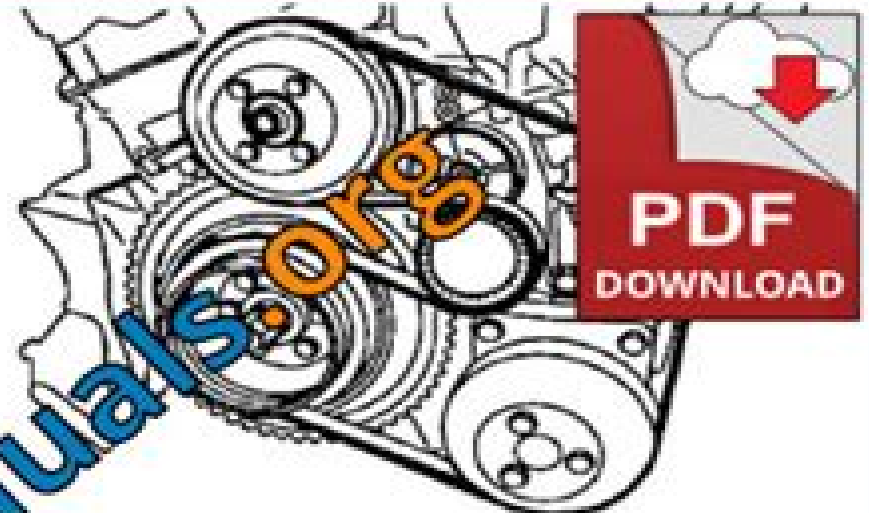


Fig. 2. Exploded View Of Bosch Reduction Gear Starter (Typical)
Courtesy of BMW OF NORTH AMERICA, INC.



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STARTER SPECIFICATIONS

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Application	Specification
Axial Amature Play	1-2 mm
Bush Length	11 mm (Minimum)
Driving Voltage	11.7, 12.3, 14.0V
Rated Power	
S470, S471, S52	1.7 kW
S471	2.2 kW
S480, S482	1.7 kW
S470, S471	2.2 kW
S471	2.2 kW
S487	2.4 kW
S42	1.7 kW
Current Consumption At 75°C (Rated Power Of 1.4 kW)	
Pull-In Winding	34.7 A
Hold-In Winding	18.3 A
Current Consumption At 75°C (Rated Power Of 1.7 kW with Intermediate Transmission)	
Pull-In Winding	31 A
Hold-In Winding	16.3 A
Current Consumption At 75°C (Rated Power Of 1.8 kW)	
Pull-In Winding	30 A
Hold-In Winding	15.7 A
Current Consumption At 75°C (Rated Power Of 2.0 kW)	

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



1996 2002 Bmw Z3 Service And Repair Manual

Mark Coombs, Steve Rendle



1996 2002 Bmw Z3 Service And Repair Manual:

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