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CARSOFT BMW – MINI Ultimate Home V7.3.5 SPECIFICATIONS

March 15, 2009 Release Specifications

Intro:

Since 1988, *Carsoft* has developed independent alternatives to official factory BMW- and Mercedes diagnostic systems. *Carsoft* BMW and MINI Diagnostic Software is a diagnostic system for 1988-2008 BMW and 2001 – 2008 MINI models equipped with onboard diagnostics. Carsoft BMW and MINI is up to date for cars built up to 10/2007.

Important Features:

Unlike many aftermarket systems, *Carsoft* BMW-MINI V7.3.5 uses official BMW/MINI terminology and official BMW/MINI codes and descriptions, so you can reference BMW's parts and service literature without translating generic codes. *Carsoft* saves time, is easy to use, easy to update, and provides the best return on investment. You can use *Carsoft* on most laptop/desktop computers, as long as it is Windows 98 / ME / 2000 / XP and VISTA compatible.

CARSOFT FEATURES:

- ✓ **Comprehensive Diagnostic Abilities using correct OEM BMW code descriptions & information for all vehicles 1988-10/2007**
- ✓ **Automated Total Diagnosis that tests all systems.**
- ✓ **_Relevant_ Data Streams**
- ✓ **Component Test and Calibration**
- ✓ **Module Coding**
- ✓ **ALL CABLES AND FEATURES INCLUDED IN ONE PACKAGE!**
- ✓ **ALL NEW MODELS COVERED: E90, E91, E92, E93, E87, E60, E61, E63, E64, E65, E66, E83, E85, Mini R50 – R52 – R53 models, in addition to E30, E30 (Z1), E31, E32, E34, E36, E46, E38, E39, E52, E53, and E36/7**
- ✓ **Carsoft has always been a PC Based system, so you are not tied into a „Scan-tool" that will be obsolete and thrown away after a few years. If you need to repalce your PC, just install the software on the new one and you are redy to go!**

Why Carsoft is the Better Solution:

Carsoft is a fully integrated PC based solution… Carsoft knows that TIME IS MONEY! Carsoft is Fast and Accurate: Carsoft offers a fast "Total Diagnosis" **quick test** that tests all systems in a few minutes without entering a VIN number! Carsoft uses intelligent technology to find the status of all the applicable modules in a vehicle in one easy automated test. Carsoft uses the factory connector, so there are no jumpers required and all BMW adaptors are included in the standard kit. All capabilities are included in the standard kit.

1.0 Powertrain Systems:

Carsoft BMW – MINI V7.3.5 covers all engine management systems, both gasoline and diesel, from 1988 to 10/2007.

Basic Features:

➢ **Comprehensive Diagnosis using correct OEM BMW fault code descriptions & information all models**
➢ **Module version, including BMW and Supplier part numbers, Software version, Hardware Version, Dates of production, etc.**
➢ ***Relevant* Data Streams on:**

- ***Gasoline Engines (DME, MS, BMS)1996+***
- ***Diesel Engines (DDE) 1996+***
- ***Automatic Transmissions 1996+***

➢ **Reset Adaptation to Basic Settings:**

- **Mixture Adaptation Reset on Gasoline Engines**
- **Sensory Adaptation Reset on Diesel Engines**
- **Shift Adaptation Reset on Automatic Transmissions**

➢ **ALL NEW MODELS COVERED: E90, E91, E92, E93, E87, E60, E61, E63, E64, E65, E66, E83, E85, Mini R50 – R52 – R53 models, in addition to E30 / Z1, E31, E32, E34, E36 / Z3, E46, E38, E39, E52, E53, and E36/7**

Basic Vehicle Coverage:

Powertrain Module All Versions	Module Version Info	DTC Read + Erase	Live Data	Adaptation Reset From 01/95	EWS Align* From 01/95	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E92	E91/E91	E87	E83	E85 (Z4)	MINI
DME/MS/BMS/MSS/EMS	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
DDE	☑	☑	☑	☑	☑		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Automatic Transmission	☑	☑	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑

NOTE: This specification list is an overview of specifications for worldwide BMW versions. Some features may not apply uniformly to all vehicles, models, year of manufacture, or market specific models.
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1.1 Gasoline Engines: Engine Management Systems

Gasoline Engine Module	Module Version Info	DTC Read + Erase	Live Data	Adaptation Reset From 01/95	EWS Align* From 01/95	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
DME 1.1	☑	☑				☑	☑		☑																	
DME 1.2	☑	☑					☑	☑	☑																	
DME 1.3	☑	☑				☑	☑		☑	☑																
DME 1.7	☑	☑				☑	☑	☑	☑	☑	☑															
DME 1.7.1	☑	☑					☑	☑																		
DME 1.7.2	☑	☑					☑			☑	☑	☑														
DME 1.7.3	☑	☑		☑	☑					☑	☑	☑														
DME 3.1	☑	☑								☑	☑															
DME 3.3	☑	☑					☑	☑	☑	☑	☑	☑														
DME 3.3.1	☑	☑								☑	☑															
DME 5.2	☑	☑	☑	☑	☑				☑		☑	☑	☑	☑												
DME 5.2.1	☑	☑	☑	☑	☑				☑				☑	☑												
MS 40.0/40.1	☑	☑	☑	☑						☑	☑															
MS 41	☑	☑	☑	☑	☑						☑	☑	☑	☑												
MS 41.0/1/2	☑	☑	☑	☑	☑				☑	☑	☑	☑	☑													
MS 42	☑	☑	☑	☑	☑					☑	☑	☑	☑	☑												
MS 43	☑	☑	☑	☑	☑						☑		☑	☑	☑									☑	☑	☑
BMS 43	☑	☑	☑	☑	☑				☑	☑				☑												
MS 45	☑	☑	☑	☑										☑			☑	☑	☑	☑	☑	☑	☑		☑	
MS 45.1	☑	☑	☑	☑													☑	☑	☑	☑	☑	☑	☑			
BMS 46	☑	☑	☑	☑	☑					☑	☑			☑												
MS S50	☑	☑								☑	☑															
MS S52	☑	☑											☑			☑										
MS S54	☑	☑										☑		☑												
ME 7.2	☑	☑	☑	☑	☑								☑	☑	☑	☑								☑	☑	
ME 9.2 (ME9)	☑	☑	☑	☑										☑			☑	☑	☑	☑	☑	☑	☑		☑	
ME 9.2.1	☑	☑	☑	☑	☑															☑						
EMS2	☑	☑																								☑

Gasoline Engine Additional Features:

- **RESET MIXTURE (FUEL TRIM) ADAPTATION TO BASIC SETTINGS: Model Year 1996-10/2007**
- **EWS Alignment Model Year 1996-10/2007**
- **Live Data Streams 1996-10/2007**
- **At minimum, Carsoft reports the OEM BMW fault with full fault code descriptions. Carsoft also provides additional information on many fault codes including troubleshooting hints and information.**

1.2 Diesel Engines: Full Features and Coverage for both Pre-Chamber and Common Rail Systems

Diesel Engine Management Version	Module Version Info	DTC Read + Erase	Live Data	Adaptation Reset	EWS Align	E30	E34	E36	E38	E39	E46	E53	E60/61	E65	E90/E91	E92/E93	E87	E83	MINI
DDE 1.xx	☑	☑				☑													
DDE 1.1.2	☑	☑				☑													
DDE 1.2.1	☑	☑				☑													
DDE 2.0	☑	☑					☑	☑											
DDE 2.1	☑	☑					☑	☑	☑										
DDE 2.2	☑	☑	☑	☑	☑					☑	☑								
DDE 3.0	☑	☑	☑	☑	☑						☑	☑							
DDE 4.0	☑	☑	☑	☑	☑						☑	☑	☑						☑
DDE 4.1 Master	☑	☑	☑	☑	☑						☑		☑						
DDE 4.1 Slave	☑	☑	☑	☑	☑						☑		☑						
DDE 5.0	☑	☑	☑	☑	☑							☑	☑					☑	
DDE 6.0	☑	☑	☑										☑	☑	☑	☑	☑		

Diesel Engine Additional Features:

- **RESET SENSOR ADAPTATION TO BASIC SETTINGS: Model Year 1996-10/2007**
- **EWS Alignment Model Year 1996-10/2007**
- **Live Data Streams 1996-10/2007**
- **At minimum, Carsoft reports the OEM BMW fault with full fault code descriptions. Carsoft also provides additional information on many fault codes including troubleshooting hints and information.**

NOTE: This specification list is an overview of specifications for worldwide BMW versions. Some features may not apply uniformly to all vehicles, models, year of manufacture, or market specific models.
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1.3 Automatic Transmissions: All Electronic Gearbox Control Systems

Automatic Transmission Version	Module Version Info	DTC Read + Erase	Live Data From 96	Adaptation Reset From 96	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
GS 1.2	☑	☑			☑	☑	☑																
GS 1.2x	☑	☑			☑	☑	☑	☑															
GS 2.2x	☑	☑			☑	☑		☑															
GS 4.xx	☑	☑			☑	☑	☑	☑															
GS 7.xx	☑	☑			☑	☑	☑	☑	☑														
GS 7.32	☑	☑		☑	☑	☑	☑			☑													
GS 8.xx	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑											
GS 8.51	☑	☑	☑	☑		☑	☑			☑	☑	☑											
GS 8.52	☑	☑	☑	☑					☑	☑	☑												
GS 8.55	☑	☑	☑	☑		☑			☑	☑	☑	☑											
GS 8.60.0	☑	☑	☑	☑		☑			☑	☑	☑	☑	☑										
GS 8.60.1	☑	☑	☑	☑					☑		☑												
GS 8.60.2/3	☑	☑	☑	☑		☑			☑	☑	☑	☑	☑										
GS 8.60.4	☑	☑	☑	☑			☑	☑			☑	☑											
GS 8.70	☑	☑	☑	☑					☑	☑	☑	☑											
GS 9.xx	☑	☑	☑	☑		☑	☑				☑	☑											
GS 9.20	☑	☑	☑	☑		☑	☑				☑	☑											
GS 9.22	☑	☑	☑	☑		☑	☑				☑	☑											
GS JATCO	☑	☑				☑	☑																
GS 19	☑	☑	☑	☑										☑	☑	☑	☑	☑	☑	☑	☑	☑	
GS 20	☑	☑	☑	☑					☑	☑	☑	☑										☑	☑

Automatic Transmission Additional Features:

- **RESET SHIFTING ADAPTATION TO BASIC SETTINGS: Model Year 1996-10/2007**
- **Live Data Streams 1996-10/2007**

2.0 Chassis Systems:

Carsoft BMW – MINI V7.3.5 covers all Brake and Traction Control systems, from 1991 to 10/2007.

Basic Features:

➢ Comprehensive Diagnosis using correct OEM BMW fault code descriptions & information all models
➢ Module version, including BMW and Supplier part numbers, Software version, Hardware Version, Dates of production, etc.
➢ ALL NEW MODELS COVERED: E90, E91, E92, E93, E87, E60, E61, E63, E64, E65, E66, E83, E85, Mini R50 – R52 – R53 models, in addition to E30 / Z1, E31, E32, E34, E36 / Z3, E46, E38, E39, E52, E53, and E36/7

Basic Vehicle Coverage:

Chassis System Module All Versions	Module Version Info	DTC Read + Erase	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
ABS	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
ASC	☑	☑		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
DSC	☑	☑			☑				☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑

2.1 Brake and Traction Systems: New Features and Coverage

Coverage on all modules 1991 up to 10/2007 production.

ABS Version	Module Version	DTC Read + Erase	E32	E31	E34	E36	E36/7 - Z3	E38	E39	E46	E53	E60/61	E63/64	E65	E66	E52 Z8	E90/E91	E92/E93	E87	E83	E85 Z4	MINI
ABS 3Channel*	☑	☑			☑																	
ABS 4 Channel*	☑	☑		☑	☑																	
ABS/ MK4-3*	☑	☑		☑	☑	☑																
ABS5	☑	☑		☑	☑	☑																
ABS MK20/I	☑	☑			☑	☑	☑															
ABS MKIV-G	☑	☑			☑	☑		☑														
ABS MK60	☑	☑			☑	☑	☑	☑	☑	☑												☑
ABS/ASC MK4-3	☑	☑		☑	☑	☑		☑	☑	☑												
ABS/ASC+T*	☑	☑	☑		☑	☑		☑	☑													
ABS/ASC ITT-TEVES	☑	☑			☑	☑	☑	☑	☑	☑												
ABS/ASC BOSCH	☑	☑				☑	☑	☑	☑	☑	☑											
ABS/ASC5	☑	☑		☑		☑		☑														
ABS/DSC2	☑	☑			☑		☑	☑	☑	☑	☑											
ABS/DSC3 BOSCH	☑	☑			☑		☑		☑	☑	☑											
ABS/DSC3 TEMIC	☑	☑					☑	☑	☑													
DSC ITT TEVES	☑	☑						☑														
DSC3 MK20	☑	☑					☑	☑	☑	☑											☑	
DSC3 MK60	☑	☑						☑	☑	☑											☑	
DSC 5.3	☑	☑						☑	☑	☑	☑											
DSC5.7[1]	☑	☑						☑	☑	☑	☑			☑	☑	☑						☑
DSC8	☑	☑										☑	☑				☑	☑	☑	☑		

Notes:
1. DSC5.7 only applicable to E46/18 All Wheel Drive

3.0 Airbag and Safety Systems:

Carsoft BMW – MINI V7.3.5 covers all Safety and Restraint Systems from 1988 to 10/2007.

Basic Features:

- Comprehensive Diagnosis using correct OEM BMW fault code descriptions & information all models
- Module version, including BMW and Supplier part numbers, Software version, Hardware Version, Dates of production, etc.
- CAN-BUS/Byteflite Models covered
- ALL NEW MODELS COVERED: E90, E91, E92, E93, E87, E60, E61, E63, E64, E65, E66, E83, E85, Mini R50 – R52 – R53 models, in addition to E30 / Z1, E31, E32, E34, E36 / Z3, E46, E38, E39, E52, E53, and E36/7

Basic Vehicle Coverage:

Airbag Module All Versions	Module Version Info	DTC Read + Erase	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
Airbag	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑								☑	☑	☑
Safety Gateway Module	☑	☑												☑	☑	☑	☑	☑	☑	☑			

*See complete specifications for actual modules covered

3.1 Airbag and Safety Systems:

Safety System Control Module	Module Version Info	DTC Read + Erase	E30/Z1*	E32*	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
SRS1	☑	☑	☑			☑	☑																
5WK4 060	☑	☑	☑	☑	☑	☑	☑																
BAE	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑													
ZAE	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑													
ZAE2	☑	☑	☑		☑	☑	☑	☑	☑	☑													
MRS	☑	☑	☑		☑	☑	☑	☑	☑	☑													
MRS2	☑	☑	☑		☑	☑	☑	☑	☑	☑													
MRS3	☑	☑						☑	☑	☑	☑	☑	☑										
MRS4	☑	☑						☑	☑	☑	☑	☑											☑
MRS4D	☑	☑																			☑		
SIM	☑	☑												☑	☑	☑	☑	☑	☑	☑		☑	
SASL	☑	☑														☑	☑						
SASR	☑	☑														☑	☑						
SBSL	☑	☑												☑	☑	☑	☑						
SBSR	☑	☑												☑	☑	☑	☑						
SSFA	☑	☑														☑	☑						
SSFB	☑	☑														☑	☑						
STVL	☑	☑														☑	☑						
STVR	☑	☑														☑	☑						
SSH	☑	☑												☑	☑	☑	☑						
SFZ	☑	☑														☑	☑						
ASE	☑	☑												☑	☑	☑	☑						
SGM	☑	☑												☑	☑	☑	☑						

*Diagnosis supported where Airbag module is connected to 20-Pin diagnostic connector

4.0 Body Systems:

Carsoft BMW-MINI V7.3.5 covers the most body systems, from 1991 to 10/2007.

Basic Features:

➢ **Comprehensive Diagnosis using correct OEM BMW fault code descriptions & information all models**
➢ **Module version, including BMW and Supplier part numbers, Software version, Hardware Version, Dates of production, etc.**
➢ **Component Activation Tests**
➢ **ALL NEW MODELS COVERED: E90, E91, E92, E93, E87, E60, E61, E63, E64, E65, E66, E83, E85, Mini R50 – R52 – R53 models, in addition to E30 / Z1, E31, E32, E34, E36 / Z3, E46, E38, E39, E52, E53, and E36/7**

Basic Vehicle Coverage:

Body System Module All Versions	Module Version Info	DTC Read + Erase	Sync. With Engine	Activation Component Test	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E91/E93	E87	E83	E85 (Z4)	MINI
General Module	☑	☑		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑				☑	☑	☑
Instrument Cluster	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Convertible Top	☑	☑							☑			☑											☑	☑
Climate Control/AC	☑	☑				☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
On-Board Computer	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑											
Rain/Light Sensor	☑	☑													☑	☑	☑	☑	☑	☑	☑			
Light Check Module	☑	☑						☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑				☑	☑	☑
Park Distance Control	☑	☑							☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	
Central Gateway	☑	☑													☑	☑	☑	☑	☑	☑	☑			
Anti-Theft Alarm	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	
Immobilizer	☑	☑	☑		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑								☑	☑	☑

4.1 Central Body Electronics: ZKE, General Module, Park Distance Control, and Car Access Systems:

Central Module/General Module Versions	Module Version Info	DTC Read + Erase	Version Coding	Activation Component Test	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
ZKE I	☑	☑	☑	☑		☑		☑																	
ZKE II	☑	☑	☑	☑			☑																		
ZKE III	☑	☑	☑	☑							☑	☑		☑											
ZKE IV	☑	☑		☑					☑	☑															
ZKE V	☑	☑	☑	☑									☑											☑	☑
ZKE V(RD)	☑	☑	☑	☑																			☑		
CAS	☑	☑	☑													☑	☑	☑	☑	☑	☑	☑	☑		
RLS	☑	☑									☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	
PDC*	☑	☑							☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
i-Drive			☑													☑	☑	☑	☑	☑	☑	☑			

*Except dealer installed PDC (Bosch Parkpilot™ or similar system)

Additional Features for Central Body Electronics:

- **Full component activation on ZKE systems:**
  - **Power Windows**
  - **Door Locks**
  - **Interior Lighting**
  - **Wipers**
  - **Power Locking**
  - **Etc.**

- **Under Voltage & Low Voltage Fault reset on Car Access System (CAS)**

- **Diagnostic coverage on all new series of vehicles: E46,E60/61, E65/66, E63/64, E90/E91/E92/E93, E87, E83, E85**

- **Version coding on ZKE:**
  - **Automatic Locking**
  - **Selective Locking**

- **i-Drive Programming instructions**

NOTE: This specification list is an overview of specifications for worldwide BMW versions. Some features may not apply uniformly to all vehicles, models, year of manufacture, or market specific models.
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4.2 Driver Information and Display Systems: Instrument Cluster, Multi-Information Display, On-Board Computer, and Central Information Display.

Central Module/General Module Versions	Module Version Info	DTC Read + Erase	Version Coding	E32	E31	E34	E36*[1]	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
KOMBI	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
KOMBI (BASE)	☑	☑	☑							☑		☑											
IKE	☑	☑	☑						☑	☑	☑	☑	☑								☑		
BC	☑	☑	☑							☑		☑											
BC (BASE)	☑	☑	☑							☑		☑											
MID	☑	☑	☑					☑	☑	☑	☑	☑	☑										

1. Except for E36/5

Additional Features for Driver Information and Display:

- **Version Coding IC, BC/MID, CID:**
    - **Language/World Version**
    - **Measurement Unit Display (English/Metric)**

- **Diagnostic coverage on all new series of vehicles: E46,E60/61, E65/66, E63/64, E90/E91/E92/E93, E87, E83, E85**

- **i-Drive Setup Instructions with pictures and screenshots :**
    - **Change of Date & Time : settings**
    - **Change of Brightness settings**
    - **Change of Languages settings**
    - **Coding of Units settings**
    - **Coding of Steering wheel buttons settings**
    - **Change of RPA settings**
    - **Coding of PDC settings**
    - **Coding of Light settings**
    - **Coding of Power Lock settings**

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4.3 Convertible Top Systems

Module	Module Version Info	DTC Read + Erase	E36/Z3	E46	E52 (Z8)	E64	E85 (Z4)	MINI
CVM 1	☑	☑	☑					
CVM 2	☑	☑		☑				☑
CVM 3	☑	☑			☑			
CVM 4	☑	☑					☑	
CVM 5	☑	☑				☑		

4.4 Heating, Air Conditioning, and Climate Control:

Climate Control System	Module Version Info	DTC Read + Erase	Version Coding	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
IHKR	☑	☑				☑	☑			☑	☑	☑									☑		☑
IHKA	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑		☑	☑	☑	☑	☑	☑	☑	☑	☑	
IHKS	☑	☑						☑					☑										

Additional Features for Climate Control Systems:

- **IHKA Version Coding of Temperature display °C / °F: E38, E39, E46, E53, & E83**

- **i-Drive Version Coding instructions for display °C / °F : E60/E61, E63/E64 and E65/E66**

4.5 Alarm Systems, Immobilizer, Exterior Light & Check Control Modules, and Car Access Systems

Immobilizer or Anti-Theft Alarm System	Module Version Info	DTC Read + Erase	EWS Align* With DME or /DDE	Actual Values Test	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	Z8	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
DWA	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑				☑	☑	☑
EWS 1	☑	☑				☑		☑	☑																
EWS 2	☑	☑	☑					☑	☑	☑	☑	☑													
EWS 3 3.2	☑	☑	☑				☑	☑			☑	☑	☑	☑	☑									☑	☑
EWS 3 3.3	☑	☑	☑								☑	☑	☑	☑	☑								☑	☑	☑
EWS 3D	☑	☑	☑							☑															
CAS	☑	☑	N/A													☑	☑	☑	☑	☑	☑	☑			
LCM/CCM	☑	☑		☑							☑														
LCM	☑	☑		☑							☑	☑													
LCM III	☑	☑		☑							☑	☑		☑											
LSZ	☑	☑											☑										☑	☑	☑

*EWS alignment supported on post 1996 vehicles. EWS programming and key programming not supported.

Additional Features for Alarm, Immobilizer, and Car Access Systems:

- **CAS Car Access System Under Voltage Reset**

- **EWS alignment with DME/DDE (From 1996)**

- **LCM/CCM Read Coding info: Vehicle Identification Number and total stored mileage (LCM mileage always shown in Km)**

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5.0 Service Interval Reset and Management Systems

Carsoft BMW – MINI V7.3.5 covers Service Interval systems, from 1988 to 10/2007.

Basic Features:

> ➢ **Reset Service Light for all types of service**
> ➢ **Programming of Next Service where applicable**
> ➢ **ALL NEW MODELS COVERED: E90, E91, E92, E93, E87, E60, E61, E63, E64, E65, E66, E83, E85, Mini R50 – R52 – R53 models, in addition to E30 / Z1, E31, E32, E34, E36 / Z3, E46, E38, E39, E52, E53, and E36/7**

Basic Vehicle Coverage:

System Module All Versions	Reset Light or Message	Programming*	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E90/E91	E92/E93	E87	E66	E83	E85 (Z4)	MINI
Service Interval System	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑

* Programming supported on SIA III and newer

5.1 Service Interval Management

Service Interval Module	Read Data	Reset Service Indicator	Programming	E30/Z1	E32	E31	E34	E36	E36/Z3	E38	E39	E46	E53	E52 (Z8)	E60/61	E63/64	E65	E66	E90/E91	E92/E93	E87	E83	E85 (Z4)	MINI
SIA II	☑	☑		☑	☑	☑	☑	☑	☑	☑														
SIA III	☑	☑	☑						☑	☑	☑		☑											
SIA IV	☑	☑	☑									☑	☑									☑	☑	☑
SBA	☑	☑	☑														☑	☑			☑			
CBS	☑	☑	☑												☑	☑			☑	☑				

Additional Features for Service Interval Management Systems:

- **Service interval reset of all vehicles up to 10/2007**

- **Service interval management on SIA III, SIA IV, SBA, and CBS.**

- **SIA III & SIA IV Service management allows:**
  - **Read Days since last service**
  - **Display Fuel consumption since last service**
  - **Program next Service or Inspection (In Km)**

- **SBA/CBS Programming**

Gasoline Models:	**Diesel Models:**
• **Engine Oil**	• **Engine Oil**
• **Spark Plugs**	• **Diesel Filter**
• **Front Brake Pads**	• **Front Brake Pads**
• **Rear Brake Pads**	• **Rear Brake Pads**
• **Brake Fluid**	• **Brake Fluid**
• **Micro Filter**	• **Micro Filter**
• **Vehicle Control**	• **Vehicle Control**
• **Oil Change Adjustment (%)**	• **Oil Change Adjustment (%)**