

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function	
1 Series	2003 - 2012	E81/E82/E87/E88	Drive	CAS / FEM	VCDTF S12	
				DME / DDE	VCDTF S15	
				EGS / SMG	VCDTF S18	
				EKPS	VCDTF	
				GWS	VCDT	
			Chassis	ABS / ACS / DSC	VCDTF S27	
				AL / AFS / ASA	VCDT S29	
				RDC	VCDT	
				EPS	VCDTF S36	
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47	
				SRS / SIM / MRS / ACSM	VCDTF S49	
				CVM / CTM	VCDT	
				CA	VCDT	
				TCU / ULF / Tel	VCDT S57	
				AMP / AMPH / AMPT	VCDTF	
				NAV	VCDT S59	
				CDC	VCDT	
				CCC-ASK	VCDT	
				DWA	VCDT S60	
				RLS / RLSS	VCDT S63	
				ANT	VCDT	
				SINE	VCDT	
				SDARS	VCDT	
				ULF-SBX-H	VCDTF	
				FZD	VCDT S71	
				DAB	VCDT	
				INSTR	VCDTF S76	
				PDC	VCDT	
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78	
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79	
				CON / ZBE	VCDT	
				SMFA	VCDT S100	
				SMBF	VCDT S101	
				LM	VCDT	
				AHM	VCDT	
				FRM	VCDT S87	
				CID	VCDT	
				IHKA / IHKR	VCDT S91	
				CCC-A	VCDT	
				Coding/Program	Recoding	S1
					CKM	S2
			CBS reset		S3	
			CBS correct		S4	
			Service functions		S5,S6	
Drive	CAS / FEM	VCDTF S13				
	DME / DDE	VCDTF S16				
	DME2	VCDTF				
	EGS / SMG	VCDTF S19				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function	
	2010 -	F20/F21		EKPS	VCDTF S23
				GWS	VCDTF
			Chassis	ABS / ACS / DSC	VCDTF S28
				ICM	VCDTF S31
				ACC/FRR/LRR	VCDT
				EPS	VCDTF S37
				ICMV	VCDTF S42
				Body	SRS / SIM / MRS / ACSM
			TRSV		VCDTF S105
			HC/SWW		VCDT S54
			ZGW		VCDTF S98
			PMA		VCDTF
			MMC		VCDTF
			TBX		VCDTF
			TCU / ULF / TEL		VCDTF
			AMP / AMPH / AMPT		VCDTF
			FZD		VCDTF S72
			KAFAS		VCDTF S104
			FLA		VCDTF
			IKE / KOM / KOMBI		VCDTF S77
			CBX-ECALL		VCDTF
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO		VCDTF S80
			PDC		VCDTF
			CON / ZBE		VCDTF
			FCON / ZBEF		VCDTF
			SMFAH		VCDTF S83
			SMBFH		VCDTF S84
			SMFA		VCDTF S81
			SMBF		VCDTF S82
			AHM		VCDTF
			FRM		VCDTF S88
			CID		VCDTF
			VDC		VCDTF S89
			IHKA / IHKR	VCDTF S92	
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
DME2	VCDT				
EGS / SMG	VCDT S19				
EKPS	VCDT S23				
VTG/LMV	VCDT S22				
EME	VCDT				
GWS	VCDT				
	SME	VCDT S45			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function	
2 Series	2013 -	F22/F23	Chassis	AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
				ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
			ICMV	VCDT S42	
			Body	SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TRVC	VCDTF S105
				HC / SWW	VCDT
				HKFM	VCDT
				SVT	VCDT
				GHAS	VCDT
				ZGW	VCDT S98
				PMA	VCDT
				DVDC / MMC	VCDT
				TBX	VCDT
				TCU / ULF / Tel	VCDT
				AMP / AMPH / AMPT	VCDT
				EME2	VCDT
				ASD	VCDT
				SECUR1	VCDT
				SECUR2	VCDT
				VM	VCDT
				EMALI	VCDT S69
				EMARE	VCDT S70
				CANSIN	VCDT
				FZD	VCDT S72
				KAFAS	VCDT
				FLA	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
				SMFA	VCDT S81
				SMBF	VCDT S82
			AHM	VCDT	
FRM	VCDT S88				
VDC	VCDT S89				
IHKA / IHKR	VCDT S92				
Coding/Program	Recoding	S1			
	CBS reset	S3			
	CBS correct	S4			
	Service functions	S5,S6			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function	
	2013 -	F45	Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				EKPS	VCDT S23
				VTG/LMV	VCDT S22
				EME	VCDT
				GWS	VCDT
			Chassis	SME	VCDT S45
				AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
				ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
				ICMV	VCDT S42
				Body	SRS / SIM / MRS / ACSM
			SZL		VCDT S51
			TR SVC		VCDT
			HC / SWW		VCDT
			HKFM		VCDT
			SVT		VCDT
			GHAS		VCDT
			ZGW		VCDT S98
			PMA		VCDT
			DVDC / MMC		VCDT
			TBX		VCDT
			TCU / ULF / Tel		VCDT
			AMP / AMPH / AMPT		VCDT
			EME2		VCDT
			ASD		VCDT
			SECUR1		VCDT
			SECUR2		VCDT
			VM		VCDT
			EMALI		VCDT S69
			EMARE		VCDT S70
			CANSIN		VCDT
			FZD		VCDT S72
			KAFAS		VCDT
			FLA		VCDT
			IKE / KOM / KOMBI		VCDT S77
			CBX-ECALL		VCDT
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO		VCDT S80
			PDC		VCDT
			CON / ZBE	VCDT	
SMFAH	VCDT S83				
SMBFH	VCDT S84				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function			
				SMFA	VCDT S81			
				SMBF	VCDT S82			
				AHM	VCDT			
				FRM	VCDT S88			
				VDC	VCDT S89			
				IHKA / IHKR	VCDT S92			
			Coding/Program	Recoding	S1			
				CBS reset	S3			
				CBS correct	S4			
				Service functions	S5,S6			
					E30	Drive	EWS	VCDT S11
							DME / DDE	VCDT S14
							EGS / SMG	VCDT S17
Chassis	ABS / ACS / DSC	VCDT S26						
	EHC	VCDT S38						
Body	ZKE	VCDT S46						
	SRS / SIM / MRS / ACSM	VCDT						
	CVM / CTM	VCDT						
	DWA	VCDT						
	SHD	VCDT						
	IKE / KOM / KOMBI	VCDT S75						
	PDC	VCDT						
	RAD	VCDT						
	LSZ / LCM	VCDT						
	IHKA / IHKR	VCDT S90						
	GR	VCDT						
	MID	VCDT						
	ADS	VCDT						
	AHK	VCDT						
	EKM	VCDT						
	EML	VCDT						
	FHK	VCDT						
	GSA	VCDT						
	URS	VCDT S99						
	VMX	VCDT						
VNC	VCDT							
XEN	VCDT							
SPM / SM	VCDT							
Coding/Program	Recoding	S1						
	Service functions	S7						
						Drive	EWS	VCDT S11
							DME / DDE	VCDT S14
							EGS / SMG	VCDT S17
						Chassis	ABS / ACS / DSC	VCDT S26
							EHC	VCDT S38
							LEW	VCDT
							ZKE	VCDT S46
							SRS / SIM / MRS / ACSM	VCDT
							CVM / CTM	VCDT
							DWA	VCDT
			SHD	VCDT				
			IKE / KOM / KOMBI	VCDT S75				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	1990-2000	E36	Body	PDC	VCDT
				RAD	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				MID	VCDT
				ADS	VCDT
				AHK	VCDT
				EKM	VCDT
				EML	VCDT
				FHK	VCDT
				GSA	VCDT
				URS	VCDT S99
				VMX	VCDT
			VNC	VCDT	
			XEN	VCDT	
			SPM / SM	VCDT	
			Coding/Program	Recoding	S1
	CKM	S2			
	Service functions	S5,S7			
	1998-2006	E46	Drive	EWS	VCDTF S11
				DME / DDE	VCDTF S14
				EGS / SMG	VCDTF S17
			Chassis	ABS / ACS / DSC	VCDTF S26
				RDC	VCDT
				LEW	VCDT
			Body	ZKE	VCDTF S46
				SRS / SIM / MRS / ACSM	VCDTF
				CVM / CTM	VCDT
				TCU / ULF / Tel	VCDT
				SHD	VCDT
				MFL	VCDT
				IKE / KOM / KOMBI	VCDTF S75
				PDC	VCDT
				SZM / BZM	VCDT
				RAD	VCDT
LSZ / LCM				VCDT	
SMF				VCDT	
IHKA / IHKR	VCDT S90				
GR	VCDT				
BIT	VCDT S96				
AIC	VCDT S97				
BM	VCDT				
URS	VCDT S99				
SMB	VCDT				
SPMBT	VCDT				
SPMFT	VCDT				
Coding/Program	Recoding	S1			
CKM	S2				
Service functions	S5,S7				
1998-2006	E46	Drive	CAS / FEM	VCDTF S12	
			DME / DDE	VCDTF S15	
			EGS / SMG	VCDTF S18	
			VTG / LMV	VCDTF S21	
			EKPS	VCDTF	

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
3 Series	2004-2011	E90/E91/E92/E93	Chassis	GWS	VCDT
				ABS / ACS / DSC	VCDTF S27
				AL / AFS / ASA	VCDT S29
				LDM	VCDT
				RDC	VCDT S102
				ACC / FRR / LRR	VCDT S108
				ARS	VCDT S32
				EMF	VCDT S33
				EHC	VCDT S39
				VDM	VCDT
				EDCSVL	VCDT
				EDCSVR	VCDT
				EDCSHL	VCDT
				EDCSHR	VCDT
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47
				SRS / SIM / MRS / ACSM	VCDTF S49
				RSE	VCDT S55
				CA	VCDT
				DVDC / MMC	VCDT
				TCU / ULF / Tel	VCDT S57
				AMP / AMPH / AMPT	VCDTF
				KHI / KHM	VCDT
				NAV	VCDT S59
				CDC	VCDT
				HUD	VCDT
				CCC-ASK	VCDT
				DWA	VCDT S60
				RLS / RLSS	VCDT S63
				ANT	VCDT
				VSW	VCDT
				VM	VCDT
				SINE	VCDT
				IBOC	VCDT
				SDARS	VCDT
				ULF-SBX-H	VCDT
				FZD	VCDT S71
				DAB	VCDT
				FLA	VCDT
				INSTR	VCDTF S76
				PDC	VCDT
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79
				CON / ZBE	VCDT
				HKL / HKFM	VCDT S85
			SMFA	VCDT S100	
			SMBF	VCDT S101	
			LM	VCDT	
AHM	VCDT				
FRM	VCDT S87				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				CID	VCDT
				FD	VCDT
				RFK	VCDT
				IHKA / IHKR	VCDT S91
				FKA	VCDT S93
				CCC-A	VCDT
				Recoding	S1
				CKM	S2
				CBS reset	S3
				CBS correct	S4
			Service functions	S5,S6	
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				EKPS	VCDT S23
				EME	VCDT
				GWS	VCDT
				SME	VCDT S45
				AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
			Chassis	ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
				ICMV	VCDT S42
				SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TRSVc	VCDTF S105
			Body	HC / SWW	VCDT
				SCR	VCDT
				HKFM	VCDT
				SVT	VCDT
				GHAS	VCDT
				ZGW	VCDT S98
				PMA	VCDT
				DVDC / MMC	VCDT
				TBX	VCDT
				TCU / ULF / Tel	VCDT
				AMP / AMPH / AMPT	VCDT
EME2	VCDT				
ASD	VCDT				
SECUR1	VCDT				
SECUR2	VCDT				
VM	VCDT				
EMALI	VCDT S69				
EMARE	VCDT S70				
CANSIN	VCDT				
FZD	VCDT S72				
KAFAS	VCDT				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function	
			FLA	VCDT	
			IKE / KOM / KOMBI	VCDT S77	
			CBX-ECALL	VCDT	
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80	
			PDC	VCDT	
			CON / ZBE	VCDT	
			SMFAH	VCDT S83	
			SMBFH	VCDT S84	
			SMFA	VCDT S81	
			SMBF	VCDT S82	
			AHM	VCDT	
			FRM	VCDT S88	
			VDC	VCDT S89	
			IHKA / IHKR	VCDT S92	
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5, S6
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				EKPS	VCDT S23
				EME	VCDT
				GWS	VCDT
			Chassis	SME	VCDT S45
				AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
				ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
			ICMV	VCDT S42	
				SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TR SVC	VCDT
				HC / SWW	VCDT
				SCR	VCDT
				HKFM	VCDT
				SVT	VCDT
				GHAS	VCDT
				ZGW	VCDT S98
				PMA	VCDT
DVDC / MMC	VCDT				
TBX	VCDT				
TCU / ULF / Tel	VCDT				
AMP / AMPH / AMPT	VCDT				

2013-

F80

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
			Body	EME2	VCDT
				ASD	VCDT
				SECUR1	VCDT
				SECUR2	VCDT
				VM	VCDT
				EMALI	VCDT S69
				EMARE	VCDT S70
				CANSIN	VCDT
				FZD	VCDT S72
				KAFAS	VCDT
				FLA	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
				SMFA	VCDT S81
				SMBF	VCDT S82
				AHM	VCDT
				FRM	VCDT S88
			VDC	VCDT S89	
			IHKA / IHKR	VCDT S92	
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5, S6
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				EKPS	VCDT S23
VTG/LMV	VCDT S22				
EME	VCDT				
GWS	VCDT				
Chassis	SME	VCDT S45			
	AL / AFS / ASA	VCDT S30			
	ICM	VCDT S31			
	ACC/FRR/LRR	VCDT			
	RDC	VCDT			
	ABS / ACS / DSC	VCDT S28			
	EMF	VCDT S34			
	EPS	VCDT S37			
	EHC	VCDT S40			
ICMV	VCDT S42				
	SRS / SIM / MRS / ACSM	VCDT S50			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function	
4 Series	2013 -	F32/F33/F36	Body	SZL	VCDT S51	
				TRSVC	VCDTF S105	
				HC / SWW	VCDT	
				HKFM	VCDT	
				SVT	VCDT	
				GHAS	VCDT	
				ZGW	VCDT S98	
				CVM / CTM	VCDT	
				PMA	VCDT	
				DVDC / MMC	VCDT	
				TBX	VCDT	
				TCU / ULF / Tel	VCDT	
				AMP / AMPH / AMPT	VCDT	
				EME2	VCDT	
				ASD	VCDT	
				SECUR1	VCDT	
				SECUR2	VCDT	
				VM	VCDT	
				EMALI	VCDT S69	
				EMARE	VCDT S70	
				CANSIN	VCDT	
				FZD	VCDT S72	
				KAFAS	VCDTF S104	
				FLA	VCDT	
				IKE / KOM / KOMBI	VCDT S77	
				CBX-ECALL	VCDT	
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80	
				PDC	VCDT	
				CON / ZBE	VCDT	
				SMFAH	VCDT S83	
				SMBFH	VCDT S84	
				SMFA	VCDT S81	
				SMBF	VCDT S82	
	AHM	VCDT				
	FRM	VCDT S88				
	VDC	VCDT S89				
	IHKA / IHKR	VCDT S92				
	Recoding					
	CBS reset	S3				
	CBS correct	S4				
	Service functions	S5,S6				
				Drive	CAS / FEM	VCDT S13
					DME / DDE	VCDT S16
					DME2	VCDT
					EGS / SMG	VCDT S19
			EKPS		VCDT S23	
			VTG/LMV		VCDT S22	
			EME		VCDT	
			GWS		VCDT	
			SME	VCDT S45		

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function	
	2013 -	F82/F83	Chassis	AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
				ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
			ICMV	VCDT S42	
			Body	SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TRSVc	VCDT
				HC / SWW	VCDT
				HKFM	VCDT
				SVT	VCDT
				GHAS	VCDT
				ZGW	VCDT S98
				CVM / CTM	VCDT
				PMA	VCDT
				DVDC / MMC	VCDT
				TBX	VCDT
				TCU / ULF / Tel	VCDT
				AMP / AMPH / AMPT	VCDT
				EME2	VCDT
				ASD	VCDT
				SECUR1	VCDT
				SECUR2	VCDT
				VM	VCDT
				EMALI	VCDT S69
				EMARE	VCDT S70
				CANSIN	VCDT
				FZD	VCDT S72
				KAFAS	VCDT
				FLA	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
				SMFA	VCDT S81
SMBF	VCDT S82				
AHM	VCDT				
FRM	VCDT S88				
VDC	VCDT S89				
IHKA / IHKR	VCDT S92				
Coding/Program	Recoding	S1			
	CBS reset	S3			
	CBS correct	S4			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function		
				Service functions	S5,S6		
1982-1988	E28	Drive		EWS	VCDT S11		
				DME / DDE	VCDT S14		
				EGS / SMG	VCDT S17		
		Chassis		ABS / ACS / DSC	VCDT		
				EHC	VCDT		
				ZKE	VCDT		
		Body		SRS / SIM / MRS / ACSM	VCDT		
				CVM / CTM	VCDT		
				DWA	VCDT		
				SHD	VCDT		
				IKE / KOM / KOMBI	VCDTF S75		
				PDC	VCDT		
				RAD	VCDT		
				LSZ / LCM	VCDT		
				IHKA / IHKR	VCDT S90		
				GR	VCDT		
				MID	VCDT		
				ADS	VCDT		
				AHK	VCDT		
				EKM	VCDT		
				EML	VCDT		
				FHK	VCDT		
				GSA	VCDT		
				URS	VCDT S99		
				VMX	VCDT		
				VNC	VCDT		
			XEN	VCDT			
			SPM / SM	VCDT			
			Coding/Program	Recoding	S1		
				Service functions	S7		
		1989-1996	E34	Drive		EWS	VCDT S11
						DME / DDE	VCDT S14
						EGS / SMG	VCDT S17
Chassis				ABS / ACS / DSC	VCDT S26		
				EHC	VCDT S38		
Body				ZKE	VCDT S46		
				SRS / SIM / MRS / ACSM	VCDT		
				CVM / CTM	VCDT		
				DWA	VCDT		
				SHD	VCDT		
				IKE / KOM / KOMBI	VCDTF S75		
				PDC	VCDT		
				RAD	VCDT		
				LSZ / LCM	VCDT		
				IHKA / IHKR	VCDT S90		
				GR	VCDT		
				MID	VCDT		
				ADS	VCDT		
				AHK	VCDT		
				EKM	VCDT		
				EML	VCDT		
				FHK	VCDT		
				GSA	VCDT		
				URS	VCDT S99		
				VMX	VCDT		

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	1997-2003	E39	Coding/Program	VNC	VCDT
				XEN	VCDT
				SPM / SM	VCDT
				Recoding	S1
				Service functions	S7
			Drive	EWS	VCDTF S11
				DME / DDE	VCDTF S14
				EGS / SMG	VCDTF S17
			Chassis	ABS / ACS / DSC	VCDTF S26
				EHC	VCDT S38
				LEW	VCDT
			Body	ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDT
				NAV	VCDT S58
				SHD	VCDT
				MFL	VCDT
				IKE / KOM / KOMBI	VCDTF S75
				PDC	VCDT
				SZM / BZM	VCDT
				RAD	VCDT
				DSP	VCDT
				STH	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				SES	VCDT
				MID	VC
				BIT	VCDT S96
				AIC	VCDT S97
				VID	VCDT
				BM	VCDT
			LRA	VCDT	
			SPM / SM	VCDT	
			Coding/Program	Recoding	S1
				CKM	S2
				Service functions	S5,S7
			Drive	CAS / FEM	VCDTF S12
				DME / DDE	VCDTF S15
				EGS / SMG	VCDTF S18
				EKPS	VCDTF
			GWS	VCDT	
			Chassis	ABS / ACS / DSC	VCDTF S27
				AL / AFS / ASA	VCDT S29
				LDM	VCDT
				RDC	VCDT
				ACC / FRR / LRR	VCDT
				ARS	VCDT S32
EHC	VCDT S39				
EDC / VDC	VCDT S41				
	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47			
	SRS / SIM / MRS / ACSM	VCDTF S49			
	SZL	VCDT			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
5 Series	2004-2010	E60/E61	Body	TMFA	VCDT S52
				TMBF	VCDT S53
				SBSL	VCDT
				SBSR	VCDT
				SFZ	VCDT
				AHL	VCDT
				CVM / CTM	VCDT
				CA	VCDT
				DVDC / MMC	VCDT
				SVS	VCDT
				TCU / ULF / Tel	VCDT S57
				AMP / AMPH / AMPT	VCDTF
				KHI / KHM	VCDT
				NAV	VCDT S59
				CDC	VCDT
				HUD	VCDT
				CCC-ASK	VCDT
				DWA	VCDT S60
				PM / MPM	VCDT S61
				SHD	VCDT S62
				RLS / RLSS	VCDT S63
				ANT	VCDT
				VM	VCDT
				SINE	VCDT
				SDARS	VCDT
				ULF-SBX-H	VCDT
				NVE / NIVI	VCDT
				ALBFA	VCDT S73
				ALBBF	VCDT S74
				DAB	VCDT
				TLC	VCDT
				FLA	VCDT
				INSTR	VCDTF S76
				PDC	VCDT
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79
				FRM	VCDT S87
				SZM / BZM	VCDT
				CON / ZBE	VCDT
				HKL / HKFM	VCDT S85
				SMFA	VCDT S100
				SMBF	VCDT S101
				LM	VCDT
				AHM	VCDT
				KBM	VCDT
CID	VCDT				
IHKA / IHKR	VCDT S91				
SHZH	VCDT S95				
NVK	VCDT				
CCC-A	VCDT				
Recoding	S1				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	2009-	GT(F07)	Coding/Program	CKM	S2
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				VTG / LMV	VCDT S22
				EKPS	VCDT S23
				GWS	VCDT
			Chassis	AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
				ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				HSR	VCDT S44
				EPS	VCDT S37
				EHC	VCDT S40
				ICMV	VCDT S42
				EDCSVL	VCDT
				EDCSVR	VCDT
				EDCSHL	VCDT
			EDCSHR	VCDT	
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDT S48
				SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TRSV	VCDTF S105
				HC / SWW	VCDT
				SVT	VCDT
				ZGW	VCDT S98
				RSE	VCDT S56
				DVDC / MMC	VCDT
				TBX	VCDT
				TCU / ULF / Tel	VCDT
				AMP / AMPH / AMPT	VCDT
				HUD	VCDT
				VSW	VCDT
				VM	VCDT
				EMALI	VCDT S69
				EMARE	VCDT S70
FZD	VCDT S72				
NVE / NIVI	VCDT				
KAFAS	VCDTF S104				
FLA	VCDT				
IKE / KOM / KOMBI	VCDT S77				
CBX-ECALL	VCDT				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function					
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S80					
			PDC	VCDT					
			CON / ZBE	VCDT					
			SMFAH	VCDT S83					
			SMBFH	VCDT S84					
			HKL / HKFM	VCDT S86					
			SMFA	VCDT S81					
			SMBF	VCDT S82					
			AHM	VCDT					
			FRM	VCDT S88					
			CID	VCDT					
			FD / CID	VCDT					
			CIDF2	VCDT					
			VDC	VCDT S89					
			IHKA / IHKR	VCDT S92					
			FKA	VCDT					
			Coding/Program	Recoding	S1				
				CBS reset	S3				
				CBS correct	S4				
				Service functions	S5,S6				
					Drive	CAS / FEM	VCDT S13		
		DME / DDE				VCDT S16			
		DME2				VCDT			
		EGS / SMG				VCDT S19			
		VTG / LMV				VCDT S22			
		EKPS				VCDT S23			
		GWS				VCDT			
		EME				VCDT			
		Chassis						SME	VCDT S45
								AL / AFS / ASA	VCDT S30
								ICM	VCDT S31
								ACC/FRR/LRR	VCDT S103
			RDC	VCDT					
ABS / ACS / DSC	VCDT S28								
EMF	VCDT S34								
HSR	VCDT S44								
EPS	VCDT S37								
EHC	VCDT S40								
ICMV	VCDT S42								
EDCSVL	VCDT								
EDCSVR	VCDT								
EDCSHL	VCDT								
EDCSHR	VCDT								
			SGM-ZGM / KGM / JBE / JBBF	VCDT S48					
			SRS / SIM / MRS / ACSM	VCDT S50					
			SZL	VCDTF S51					

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				TR SVC	VCDTF S105
				HC / SWW	VCDT
				SCR	VCDT
				HKFM	VCDT
				SVT	VCDT
				GHAS	VCDT
				ZGW	VCDT S98
				CVM / CTM	VCDT
				RSE	VCDT S56
				PMA	VCDT
				DVDC / MMC	VCDT
				TBX	VCDT
				TCU / ULF / Tel	VCDT
				AMP / AMPH / AMPT	VCDT
				EME2	VCDT
				HUD	VCDT
				ASD	VCDT
				VSW	VCDT
				SECUR1	VCDT
				SECUR2	VCDT
				VM	VCDT
				EMALI	VCDT S69
				EMARE	VCDT S70
				CANSIN	VCDT
			Body	FZD	VCDT S72
				NVE / NIVI	VCDT
				KAFAS	VCDTF S104
				FLA	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				FCON / ZBEF	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
				HKL / HKFM	VCDT S86
				SMFA	VCDT S81
				SMBF	VCDT S82
				AHM	VCDT
				FRM	VCDT S88
				CID	VCDT
				FD / CID	VCDT
				CIDF2	VCDT
				VDC	VCDT S89
				RFK	VCDT
				IHKA / IHKR	VCDT S92
				FKA	VCDT
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
			Drive	EWS	VCDT S11

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function							
	1980-1989	E24	Chassis	DME / DDE	VCDT S14						
				ABS / ACS / DSC	VCDT S26						
				EHC	VCDT S38						
			Body	ZKE	VCDT S46						
				SRS / SIM / MRS / ACSM	VCDT						
				CVM / CTM	VCDT						
				DWA	VCDT						
				SHD	VCDT						
				IKE / KOM / KOMBI	VCDT						
				PDC	VCDT						
				RAD	VCDT						
				LSZ / LCM	VCDT						
				IHKA / IHKR	VCDT S90						
				GR	VCDT						
				MID	VCDT						
				ADS	VCDT						
				EKM	VCDT						
				EML	VCDT						
				URS	VCDT S99						
				VMX	VCDT						
				VNC	VCDT						
			XEN	VCDT							
			Coding/Program	SPM / SM	VCDT						
				Recoding	S1						
						Service functions	S7				
						Drive	CAS / FEM	VCDTF S12			
							DME / DDE	VCDTF S15			
							EGS / SMG	VCDTF S18			
							EKPS	VCDTF			
							GWS	VCDT			
						Chassis	ABS / ACS / DSC	VCDTF S27			
							AL / AFS / ASA	VCDT S29			
							LDM	VCDT			
							RDC	VCDT			
							ACC / FRR / LRR	VCDT S108			
							ARS	VCDT S32			
							EHC	VCDT S39			
						EDC / VDC	VCDT S41				
										SGM-ZGM / KGM / JBE / JBBF	VCDTF S47
										SRS / SIM / MRS / ACSM	VCDTF S49
										SZL	VCDT
										TMFA	VCDT S52
										TMBF	VCDT S53
										SBSL	VCDT
										SBSR	VCDT
			SFZ	VCDT							
			AHL	VCDT							
CVM / CTM	VCDT										
CA	VCDT										
DVDC / MMC	VCDT										
SVS	VCDT										
TCU / ULF / Tel	VCDT S57										

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function	
6 Series	2004-2010	E63/E64	Body	AMP / AMPH / AMPT	VCDTF	
				KHI / KHM	VCDT	
				NAV	VCDT S59	
				CDC	VCDT	
				HUD	VCDT	
				CCC-ASK	VCDT	
				DWA	VCDT S60	
				PM / MPM	VCDT S61	
				SHD	VCDT S62	
				RLS / RLSS	VCDT S63	
				ANT	VCDT	
				VM	VCDT	
				SINE	VCDT	
				SDARS	VCDT	
				ULF-SBX-H	VCDTF	
				NVE / NIVI	VCDT	
				ALBFA	VCDT S73	
				ALBBF	VCDT S74	
				DAB	VCDT	
				TLC	VCDT S107	
				FLA	VCDT	
				INSTR	VCDTF S76	
				PDC	VCDT	
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78	
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79	
				SZM / BZM	VCDT	
				CON / ZBE	VCDT	
				HKL / HKFM	VCDT S85	
				SMFA	VCDT S100	
				SMBF	VCDT S101	
				LM	VCDT	
				AHM	VCDT	
				KBM	VCDT S87	
	CID	VCDT				
	IHKA / IHKR	VCDT S91				
	SHZH	VCDT S95				
	NVK	VCDT				
	CCC-A	VCDT				
	Recoding	S1				
	CKM	S2				
	CBS reset	S3				
	CBS correct	S4				
	Service functions	S5,S6				
				Drive	CAS / FEM	VCDT S13
					DME / DDE	VCDT S16
			DME2		VCDT	
			EGS / SMG		VCDT S19	
			VTG / LMV		VCDT S22	
				EKPS	VCDT S23	

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function
	2010-	F12/F13	GWS	VCDT
			EME	VCDT
			SME	VCDT S45
			AL / AFS / ASA	VCDT S30
			ICM	VCDT S31
			ACC/FRR/LRR	VCDT
			RDC	VCDT
			ABS / ACS / DSC	VCDT S28
			EMF	VCDT S34
			HSR	VCDT S44
			EPS	VCDT S37
			EHC	VCDT S40
			ICMV	VCDT S42
			EDCSVL	VCDT
			EDCSVR	VCDT
			EDCSHL	VCDT
			EDCSHR	VCDT
			SGM-ZGM / KGM / JBE / JBBF	VCDT S48
			SRS / SIM / MRS / ACSM	VCDT S50
			SZL	VCDT S51
			TRSVc	VCDTF S105
			HC / SWW	VCDT
			SCR	VCDT
			HKFM	VCDT
			SVT	VCDT
			GHAS	VCDT
			ZGW	VCDT S98
			CVM / CTM	VCDT
			RSE	VCDT S56
			PMA	VCDT
			DVDC / MMC	VCDT
			TBX	VCDT
			TCU / ULF / Tel	VCDT
			AMP / AMPH / AMPT	VCDT
			EME2	VCDT
			HUD	VCDT
			ASD	VCDT
			VSW	VCDT
			SECUR1	VCDT
			SECUR2	VCDT
			VM	VCDT
			EMALI	VCDT S69
			EMARE	VCDT S70
			CANSIN	VCDT
			FZD	VCDT S72
			NVE / NIVI	VCDT
			KAFAS	VCDTF S104
FLA	VCDT			
IKE / KOM / KOMBI	VCDT S77			
CBX-ECALL	VCDT			
CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S80			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				PDC	VCDT
				CON / ZBE	VCDT
				FCON / ZBEF	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
				HKL / HKFM	VCDT S86
				SMFA	VCDT S81
				SMBF	VCDT S82
				AHM	VCDT
				FRM	VCDT S88
				CID	VCDT
				FD / CID	VCDT
				CIDF2	VCDT
				VDC	VCDT S89
				RFK	VCDT
				IHKA / IHKR	VCDT S92
				FKA	VCDT
			Coding/Program	Recoding	S1
			CBS reset	S3	
			CBS correct	S4	
Service functions	S5,S6				
			Drive	EWS	VCDT S11
				DME / DDE	VCDT S14
				EGS / SMG	VCDT S17
			Chassis	ABS / ACS / DSC	VCDT
				EHC	VCDT
			Body	ZKE	VCDT
				SRS / SIM / MRS / ACSM	VCDT
				CVM / CTM	VCDT
				DWA	VCDT
				SHD	VCDT
				IKE / KOM / KOMBI	VCDT
				PDC	VCDT
				RAD	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				MID	VCDT
				ADS	VCDT
				AHK	VCDT
				EKM	VCDT
				EML	VCDT
				FHK	VCDT
			GSA	VCDT	
			URS	VCDT S99	
			VMX	VCDT	
			VNC	VCDT	
			XEN	VCDT	
			SPM / SM	VCDT	
			Coding/Program	Recoding	S1
			Service functions	S7	
			Drive	EWS	VCDT S11
				DME / DDE	VCDT S14
				EGS / SMG	VCDT S17
Chassis	ABS / ACS / DSC	VCDT S26			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	1987-1989	E32	Body	EHC	VCDT S38
				ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDT
				CVM / CTM	VCDT
				DWA	VCDT
				SHD	VCDT
				IKE / KOM / KOMBI	VCDTF S75
				PDC	VCDT
				RAD	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				MID	VCDT
				ADS	VCDT
				AHK	VCDT
				EKM	VCDT
				EML	VCDT
				FHK	VCDT
				GSA	VCDT
				URS	VCDT S99
	VMX	VCDT			
	VNC	VCDT			
	XEN	VCDT			
	SPM / SM	VCDT			
	Coding/Program	Recoding	S1		
		Service functions	S7		
	1995-2001	Drive	EWS	VCDTF S11	
				DME / DDE	VCDTF S14
				EGS / SMG	VCDTF S17
			Chassis	ABS / ACS / DSC	VCDTF S26
				EHC	VCDT S38
				LEW	VCDT
			Body	ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDTF
				NAV	VCDT S58
		SHD		VCDT	
		MFL		VCDT	
		IKE / KOM / KOMBI		VCDTF S75	
		PDC		VCDT	
		SZM / BZM		VCDT	
		RAD		VCDT	
		DSP		VCDT	
		STH		VCDT	
		LSZ / LCM		VCDT	
		SMF		VCDT	
		IHKA / IHKR		VCDT S90	
		GR		VCDT	
SES		VCDT			
MID		VCDT			
BIT		VCDT S96			
AIC		VCDT S97			
VID	VCDT				
BM	VCDT				
EML	VCDT				
SPM / SM	VCDT				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
			Coding/Program	Recoding	S1
				CKM	S2
				Service functions	S5,S7
			Drive	CAS / FEM	VCDTF S12
				DME / DDE	VCDTF S15
				DME2	VCDT
				EGS / SMG	VCDTF S18
				EKPS	VCDTF
				VTC	VCDT
				VTC2	VCDT
			Chassis	ABS / ACS / DSC	VCDTF S27
				RDC	VCDT
				ACC / FRR / LRR	VCDT S108
				ARS	VCDT S32
				EMF	VCDT S33
				EHC	VCDT S39
				EDC / VDC	VCDT S41
				CIM	VCDT S43
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47
				SRS / SIM / MRS / ACSM	VCDTF S49
				SASL	VCDT
				SASR	VCDT
				STVL / CDM	VCDT
				STVR	VCDT
				SSFA	VCDT
				SSBF	VCDT
				SBSL	VCDT
				SBSR	VCDT
				SSH / HKFM	VCDT
				SFZ	VCDT
				CEM	VCDT
				AHL	VCDT
				CA	VCDT
				DVDC / MMC	VCDT
				SG-FD-GW	VCDT
				SG-FD	VCDT
				SVS	VCDT
				TCU / ULF / Tel	VCDT S57
				AMP / AMPH / AMPT	VCDTF
				KHI / KHM	VCDT
				NAV	VCDT S59
				CDC	VCDT
				CCC-ASK	VCDT
				DWA	VCDT S60
				PM / MPM	VCDT S61
				SHD	VCDT S62
				RLS / RLSS	VCDT S63
				WIM	VCDT S64
			ANT	VCDT	
			VM	VCDT	
SEC	VCDT				
TMFAT	VCDT S65				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function			
7 Series			TMBFT	VCDT S66			
			TMFAH	VCDT S67			
			TMBFH	VCDT S68			
			SINE	VCDT			
			IBOC	VCDT			
			SDARS	VCDT			
			NVE / NIVI	VCDT			
			DAB	VCDT			
			FLA	VCDT			
			INSTR	VCDTF S76			
			PDC	VCDT			
			FBI	VCDT			
			CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78			
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79			
			SZM / BZM	VCDT			
			FBZM	VCDT			
			CON / ZBE	VCDT			
			FCON / ZBEF	VCDT			
			SMFAH	VCDT			
			SMBFH	VCDT			
			HKL / HKFM	VCDT S85			
			SMFA	VCDT S100			
			SMBF	VCDT S101			
			LM	VCDT			
			AHM	VCDT			
			FD	VCDT			
			IHKA / IHKR	VCDT S91			
			FKA	VCDT S93			
			SHZH	VCDT S95			
			NVK	VCDT			
			Recoding	S1			
			CKM	S2			
			CBS reset	S3			
			CBS correct	S4			
			Service functions	S5,S6			
					Coding/Program		
					Drive	CAS / FEM	VCDTF S13
						DME / DDE	VCDTF S16
						DME2	VCDTF
						EGS / SMG	VCDTF S19
						VTG / LMV	VCDTF S22
						EKPS	VCDTF S23
						GWS	VCDT
						EME	VCDT S25
						SME	VCDTF S45
		AL / AFS / ASA	VCDTF S30				
			ICM	VCDTF S31			
			ACC/FRR/LRR	VCDT S103			
			RDC	VCDTF			
			ABS / ACS / DSC	VCDTF S28			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
			Chassis	EMF	VCDTF S34
				HSR	VCDTF S44
				EPS	VCDTF S37
				EHC	VCDTF S40
				ICMV	VCDTF S42
				EDCSVL	VCDTF
				EDCSVR	VCDTF
				EDCSHL	VCDTF
			EDCSHR	VCDTF	
		F01/F01/F03/F04	Body	SGM-ZGM / KGM / JBE / JBBF	VCDT S48
				SRS / SIM / MRS / ACSM	VCDTF S50
				SZL	VCDTF S51
				TR SVC	VCDTF S105
				HC / SWW	VCDTF
				SCR	VCDTF
				HKFM	VCDTF
				SVT	VCDTF
				GHAS	VCDTF
				ZGW	VCDTF S98
				CVM / CTM	VCDTF
				RSE	VCDTF S56
				PMA	VCDTF
				DVDC / MMC	VCDTF
				TBX	VCDTF
				TCU / ULF / Tel	VCDTF
				AMP / AMPH / AMPT	VCDTF
				EME2	VCDTF
				HUD	VCDTF
				ASD	VCDTF
				STML	VCDTF
				STMR	VCDTF
				LHML	VCDTF
				LHMR	VCDTF
				GZAL	VCDTF
				GZAR	VCDTF
				VSW	VCDTF
				SECUR1	VCDTF
				SECUR2	VCDTF
				VM	VCDTF
				EMALI	VCDTF S69
				EMARE	VCDTF S70
		CANSIN	VCDTF		
		FZD	VCDTF S72		
		NVE / NIVI	VCDTF		
		KAFAS	VCDTF S104		
		FLA	VCDTF		
		IKE / KOM / KOMBI	VCDTF S77		
		CBX-ECALL	VCDT		
		CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDTF S80		
		PDC	VCDTF		
		CON / ZBE	VCDTF		
		FCON / ZBEF	VCDTF		
		SMFAH	VCDTF S83		

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				SMBFH	VCDTF S84
				HKL / HKFM	VCDTF S86
				SMFA	VCDTF S81
				SMBF	VCDTF S82
				AHM	VCDTF
				FRM	VCDTF S88
				CID	VCDTF
				FD / CID	VCDTF
				CIDF2	VCDTF
				VDC	VCDTF S89
				RFK	VCDTF
				IHKA / IHKR	VCDTF S92
				FKA	VCDTF
				HKA	VCDTF S94
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
			Drive	CAS / FEM	VCDTF S13
				DME / DDE	VCDTF S16
				DME2	VCDTF
				EGS / SMG	VCDTF S19
				VTG / LMV	VCDTF S22
				EKPS	VCDTF S23
				GWS	VCDT
			EME	VCDT S25	
			Chassis	SME	VCDTF S45
				AL / AFS / ASA	VCDTF S30
				ICM	VCDTF S31
				ACC/FRR/LRR	VCDT S103
				RDC	VCDTF
				ABS / ACS / DSC	VCDTF S28
				EMF	VCDTF S34
				HSR	VCDTF S44
				EPS	VCDTF S37
				EHC	VCDTF S40
			ICMV	VCDTF S42	
				SGM-ZGM / KGM / JBE / JBBF	VCDT S48
				SRS / SIM / MRS / ACSM	VCDTF S50
				SZL	VCDTF S51
				TRSVC	VCDTF S105
				HC / SWW	VCDTF
				SCR	VCDTF
				HKFM	VCDTF
				SVT	VCDTF
			GHAS	VCDTF	

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				ZGW	VCDTF S98
				CVM / CTM	VCDTF
				RSE	VCDTF S56
				PMA	VCDTF
				DVDC / MMC	VCDTF
				TBX	VCDTF
				TCU / ULF / Tel	VCDTF
				AMP / AMPH / AMPT	VCDTF
				EME2	VCDTF
				HUD	VCDTF
				ASD	VCDTF
				STML	VCDTF
				STMR	VCDTF
				LHML	VCDTF
				LHMR	VCDTF
				GZAL	VCDTF
				GZAR	VCDTF
				VSW	VCDTF
				SECUR1	VCDTF
				SECUR2	VCDTF
				VM	VCDTF
				EMALI	VCDTF S69
				EMARE	VCDTF S70
				CANSIN	VCDTF
				FZD	VCDTF S72
				NVE / NIVI	VCDTF
				KAFAS	VCDTF S104
				FLA	VCDTF
				IKE / KOM / KOMBI	VCDTF S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDTF S80
				PDC	VCDTF
				CON / ZBE	VCDTF
				FCON / ZBEF	VCDTF
				SMFAH	VCDTF S83
				SMBFH	VCDTF S84
				HKL / HKFM	VCDTF S86
				SMFA	VCDTF S81
				SMBF	VCDTF S82
				AHM	VCDTF
				FRM	VCDTF S88
				CID	VCDTF
				FD / CID	VCDTF
				CIDF2	VCDTF
				VDC	VCDTF S89
				RFK	VCDTF
				IHKA / IHKR	VCDTF S92
				CSM	VCDT
				SAS	VCDT
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
				EWS	VCDT S11

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
8 Series	1989-1999	E31	Drive	DME / DDE	VCDT S14
				EGS / SMG	VCDT S17
			Chassis	ABS / ACS / DSC	VCDT
				EHC	VCDT
			Body	ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDT
				CVM / CTM	VCDT
				DWA	VCDT
				SHD	VCDT
				IKE / KOM / KOMBI	VCDT
				PDC	VCDT
				RAD	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				MID	VCDT
				EKM	VCDT
				EML	VCDT
				FHK	VCDT
				URS	VCDT S99
				VMX	VCDT
			VNC	VCDT	
			XEN	VCDT	
			SPM / SM	VCDT	
			Coding/Program	Recoding	S1
				Service functions	S7
				2009-	X1-E84
DME / DDE	VCDTF S15				
EGS / SMG	VCDTF S18				
EKPS	VCDTF				
GWS	VCDT				
Chassis	ABS / ACS / DSC	VCDTF S27			
	RDC	VCDT			
	ACC / FRR / LRR	VCDT S108			
	EPS	VCDTF S36			
	EHC	VCDT S39			
EDC / VDC	VCDT S41				
	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47			
	SRS / SIM / MRS / ACSM	VCDTF S49			
	CVM / CTM	VCDT			
	CA	VCDT			
	DVDC / MMC	VCDT			
	TCU / ULF / Tel	VCDT S57			
	AMP / AMPH / AMPT	VCDTF			
	NAV	VCDT S59			
	CDC	VCDT			
	CCC-ASK	VCDT			
DWA	VCDT S60				
RLS / RLSS	VCDT S63				
VM	VCDT				
SINE	VCDT				
ULF-SBX-H	VCDTF				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
			Body	FZD	VCDT S71
				DAB	VCDT
				FLA	VCDT
				INSTR	VCDTF S76
				PDC	VCDT
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79
				CON / ZBE	VCDT
				SMFA	VCDT S100
				SMBF	VCDT S101
				LM	VCDT
				FRM	VCDT S87
				CID	VCDT
				IHKA / IHKR	VCDT S91
				Coding/Program	Recoding
			CKM		S2
			CBS reset		S3
			CBS correct		S4
			Service functions		S5,S6
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				EKPS	VCDT S23
				GWS	VCDT
			Chassis	ABS / ACS / DSC	VCDT S28
				ICM	VCDT S31
				EMF	VCDT S34
				EPS	VCDT S37
				ICMV	VCDT S42
				SGM-ZGM / KGM / JBE / JBBF	VCDT S48
				SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TR SVC	VCDT S105
				AMP / AMPH / AMPT	VCDT
				FZD	VCDT S72
				KAFAS	VCDT
				FLA	VCDT
				IKE / KOM / KOMBI	VCDT S77
				PDC	VCDT
CBX-ECALL	VCDT				
CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S80				
CON / ZBE	VCDT				
SMFAH	VCDT S83				
SMBFH	VCDT S84				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
			Body	SMFA	VCDT S82
				SMBF	VCDT S81
				AHM	VCDT
				FRM	VCDT S88
				CID	VCDT
				FD	VCDT
				VDC	VCDT S89
				IHKA / IHKR	VCDT S92
				FKA	VCDT S94
				PMA	VCDT
				ZGW	VCDT S98
				ASD	VCDT
				TBX	VCDT
				STML	VCDT
				STMR	VCDT
				LHML	VCDT
				LHMR	VCDT
				GZAL	VCDT
				GZAR	VCDT
				Coding/Program	Recoding
			CBS reset		S3
			CBS correct		S4
			Service functions		S5,S6
			Drive	EWS	VCDT S11
				DME / DDE	VCDT S14
				EGS / SMG	VCDT S17
				VTG / LMV	VCDT S20
				EKPS	VCDT
			Chassis	ABS / ACS / DSC	VCDT S26
				LEW	VCDT
			Body	ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDT
				NAV	VCDT S58
				SHD	VCDT
				MFL	VCDT
				IKE / KOM / KOMBI	VCDTF S75
				PDC	VCDT
				RAD	VCDT
				DSP	VCDT
				LSZ / LCM	VCDT
				SMF	VCDT
				CID	VCDT
				IHKA / IHKR	VCDT S90
Coding/Program	BIT	VCDT S96			
	AIC	VCDT S97			
	VID	VCDT			
	Recoding	S1			
	CKM	S2			
	Service functions	S5,S7			
	CAS / FEM	VCDT S13			
	DME / DDE	VCDT S16			
	DME2	VCDT			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	2010-	X3-F25	Drive	EGS / SMG	VCDT S19
				VTG / LMV	VCDT S22
				EKPS	VCDT S23
				GWS	VCDT
			Chassis	ICM	VCDT S31
				ACC / FRR / LRR	VCDT S108
				RDC	VCDT S106
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				ICMV	VCDT S42
				Body	SGM-ZGM / KGM / JBE / JBBF
			SRS / SIM / MRS / ACSM		VCDT S50
			SZL		VCDT S51
			TR SVC		VCDT S105
			HC / SWW		VCDT
			HKFM		VCDT
			GHAS		VCDT
			ZGW		VCDT S98
			DVDC / MMC		VCDT
			TBX		VCDT
			TCU / ULF / Tel		VCDT
			AMP / AMPH / AMPT		VCDT
			HUD		VCDT
			VM		VCDT
			FZD		VCDT S72
			KAFAS		VCDT
			FLA		VCDT
			IKE / KOM / KOMBI		VCDT S77
			CBX-ECALL		VCDT
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO		VCDT S80
			PDC		VCDT
			CON / ZBE		VCDT
			SMFAH		VCDT S83
			SMBFH		VCDT S84
			HKL / HKFM		VCDT S86
			SMFA		VCDT S81
			SMBF		VCDT S82
			AHM		VCDT
			FRM		VCDT S88
			CID		VCDT
			VDC		VCDT S89
			IHKA / IHKR		VCDT S92
			Coding/Program	Recoding	S1
CBS reset	S3				
CBS correct	S4				
Service functions	S5,S6				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	1998-2006	X5-E53	Drive	EWS	VCDTF S11
				DME / DDE	VCDTF S14
				EGS / SMG	VCDTF S17
			Chassis	ABS / ACS / DSC	VCDTF S26
				RDC	VCDT
				EHC	VCDT S38
			Body	LEW	VCDT
				ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDTF
				NAV	VCDT S58
				SHD	VCDT
				MFL	VCDT
				IKE / KOM / KOMBI	VCDTF S75
				PDC	VCDT
				SZM / BZM	VCDT
				RAD	VCDT
				DSP	VCDT
				STH	VCDT
				LSZ / LCM	VCDT
				SMF	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				SES	VCDT
				BIT	VCDT S96
				AIC	VCDT S97
				VID	VCDT
				BM	VCDT
			Coding/Program	SPM / SM	VCDT
				Recoding	S1
				CKM	S2
				Service functions	S5,S7
			Drive	CAS / FEM	VCDTF S12
				DME / DDE	VCDTF S15
				EGS / SMG	VCDTF S18
				VTG / LMV	VCDTF S21
				EKPS	VCDTF
				VTC	VCDT
				VTC2	VCDT
				GWS	VCDT
			QMVH	VCDT	
Chassis	ABS / ACS / DSC	VCDTF S27			
	AL / AFS / ASA	VCDT S29			
	RDC	VCDT			
	ACC / FRR / LRR	VCDT S108			
	ARS	VCDT S32			
	EMF	VCDT S33			
	EHC	VCDT S39			
	VDM	VCDT			
	EDCSVL	VCDT			
	EDCSVR	VCDT			
	EDCSHL	VCDT			
EDCSHR	VCDT				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function		
X Series	2007-	X5-E70	Body	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47	
				SRS / SIM / MRS / ACSM	VCDTF S49	
				RSE	VCDT S55	
				CA	VCDT	
				DVDC / MMC	VCDT	
				TCU / ULF / Tel	VCDT S57	
				AMP / AMPH / AMPT	VCDTF	
				KHI / KHM	VCDT	
				NAV	VCDT S59	
				CDC	VCDT	
				HUD	VCDT	
				CCC-ASK	VCDT	
				RLS / RLSS	VCDT S63	
				ANT	VCDT	
				VSW	VCDT	
				VM	VCDT	
				SINE	VCDT	
				IBOC	VCDT	
				SDARS	VCDT	
				ULF-SBX-H	VCDTF	
				FZD	VCDT S71	
				DAB	VCDT	
				FLA	VCDT	
				INSTR	VCDTF S76	
				PDC	VCDT	
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78	
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79	
				CON / ZBE	VCDT	
				HKL / HKFM	VCDT S85	
				SMFA	VCDT S100	
				SMBF	VCDT S101	
				AHM	VCDT	
				FRM	VCDT S87	
				CID	VCDT	
				FD	VCDT	
				RFK	VCDT	
				IHKA / IHKR	VCDT S91	
				FKA	VCDT S93	
				CCC-A	VCDT	
				Recoding	S1	
				CBS reset	S3	
				CBS correct	S4	
				Service functions	S5,S6	
				Drive	CAS / FEM	VCDT S13
					DME / DDE	VCDT S16
					DME2	VCDT
					EGS / SMG	VCDT S19
EKPS	VCDT S23					
VTG/LMV	VCDT S22					
EME	VCDT					
			Coding/Program			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis	SyStem	Function	
	2013-	X5-F15		QMVH	VCDT
				GWS	VCDT
			Chassis	SME	VCDT S45
				AL / AFS / ASA	VCDT S30
				ICM	VCDT S31
				ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
				ICMV	VCDT S42
				Body	SGM-ZGM / KGM / JBE / JBBF
			SRS / SIM / MRS / ACSM		VCDT S50
			SZL		VCDT S51
			TRSVc		VCDT S105
			HC / SWW		VCDT
			HKFM		VCDT
			SVT		VCDT
			ZGW		VCDT S98
			LIM		VCDT
			RSE		VCDT S56
			PMA		VCDT
			DVDC / MMC		VCDT
			TBX		VCDT
			TCU / ULF / Tel		VCDT
			AMP / AMPH / AMPT		VCDT
			EME2		VCDT
			HUD		VCDT
			ASD		VCDT
			STML		VCDT
			STMR		VCDT
			SECUR1		VCDT
			SECUR2		VCDT
			VM		VCDT
			EMALI		VCDT S69
			EMARE		VCDT S70
			FZD		VCDT S72
			NVE / NIVI		VCDT
			KAFAS		VCDTF S104
			FLA		VCDT
			IKE / KOM / KOMBI		VCDT S77
			CBX-ECALL	VCDT	
			CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S80	
			PDC	VCDT	
			CON / ZBE	VCDT	
SMFAH	VCDT S83				
SMBFH	VCDT S84				
HKL / HKFM	VCDT S86				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function	
			Body	SDARS	VCDT	
				ULF-SBX-H	VCDTF	
				FZD	VCDT S71	
				DAB	VCDT	
				FLA	VCDT	
				INSTR	VCDTF S76	
				PDC	VCDT	
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78	
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79	
				CON / ZBE	VCDT	
				HKL / HKFM	VCDT S85	
				SMFA	VCDT S100	
				SMBF	VCDT S101	
				AHM	VCDT	
				FRM	VCDT S87	
				CID	VCDT	
				FD	VCDT	
				RFK	VCDT	
				IHKA / IHKR	VCDT S91	
				FKA	VCDT S93	
			CCC-A	VCDT		
			Coding/Program	Recoding	S1	
				CBS reset	S3	
				CBS correct	S4	
				Service functions	S5,S6	
			Drive	CAS / FEM	VCDTF S12	
				DME / DDE	VCDTF S15	
				EGS / SMG	VCDTF S18	
				VTG / LMV	VCDTF S21	
				EKPS	VCDT	
				VTC	VCDT	
				VTC2	VCDT	
				GWS	VCDT	
				QMVH	VCDT	
				Chassis	ABS / ACS / DSC	VCDTF S27
					AL / AFS / ASA	VCDT S29
					RDC	VCDT
					ARS	VCDT S32
			EMF		VCDT S33	
			EHC		VCDT S39	
			VDM		VCDT	
			EDCSVL		VCDT	
			EDCSVR		VCDT	
			EDCSHL		VCDT	
EDCSHR	VCDT					
	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47				
	SRS / SIM / MRS / ACSM	VCDTF S49				
	RSE	VCDT S55				
	CA	VCDT				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	2009-	X6-E72	Body	DVDC / MMC	VCDT
				TCU / ULF / Tel	VCDT S57
				AMP / AMPH / AMPT	VCDTF
				KHI / KHM	VCDT
				NAV	VCDT S59
				CDC	VCDT
				HUD	VCDT
				CCC-ASK	VCDT
				RLS / RLSS	VCDT S63
				ANT	VCDT
				VSW	VCDT
				VM	VCDT
				SINE	VCDT
				IBOC	VCDT
				SDARS	VCDT
				ULF-SBX-H	VCDT
				FZD	VCDT S71
				DAB	VCDT
				FLA	VCDT
				INSTR	VCDTF S76
				PDC	VCDT
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79
				CON / ZBE	VCDT
				HKL / HKFM	VCDT S85
				SMFA	VCDT S100
				SMBF	VCDT S101
				AHM	VCDT
				FRM	VCDT S87
				CID	VCDT
				FD	VCDT
				RFK	VCDT
				IHKA / IHKR	VCDT S91
			FKA	VCDT S93	
			CCC-A	VCDT	
			Recoding	S1	
			CBS reset	S3	
			CBS correct	S4	
			Service functions	S5,S6	
			Drive	CAS / FEM	VCDT S13
				DME / DDE	VCDT S16
				DME2	VCDT
				EGS / SMG	VCDT S19
				EKPS	VCDT S23
				VTG/LMV	VCDT S22
				EME	VCDT
				GWS	VCDT
SME	VCDT S45				
AL / AFS / ASA	VCDT S30				
	ICM	VCDT S31			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	2013-	X6-F16/F86	Chassis	ACC/FRR/LRR	VCDT
				RDC	VCDT
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
				EHC	VCDT S40
				ICMV	VCDT S42
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDT S48
				SRS / SIM / MRS / ACSM	VCDT S50
				SZL	VCDT S51
				TRSVc	VCDT S105
				HC / SWW	VCDT
				HKFM	VCDT
				SVT	VCDT
				ZGW	VCDT S98
				RSE	VCDT S56
				PMA	VCDT
				DVDC / MMC	VCDT
				TBX	VCDT
				TCU / ULF / Tel	VCDT
				AMP / AMPH / AMPT	VCDT
				EME2	VCDT
				HUD	VCDT
				ASD	VCDT
				STML	VCDT
				STMR	VCDT
				SECUR1	VCDT
				SECUR2	VCDT
				VM	VCDT
				EMALI	VCDT S69
				EMARE	VCDT S70
				FZD	VCDT S72
				NVE / NIVI	VCDT
				KAFAS	VCDTF S104
				FLA	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
HKL / HKFM	VCDT S86				
SMFA	VCDT S81				
SMBF	VCDT S82				
AHM	VCDT				
FRM	VCDT S88				
CID	VCDT				
VDC	VCDT S89				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				IHKA / IHKR	VCDT S92
				FKA	VCDT
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
			Drive	EWS	VCDT S11
				DME / DDE	VCDT S14
				EGS / SMG	VCDT S17
			Chassis	ABS / ACS / DSC	VCDT
				EHC	VCDT
			Body	ZKE	VCDT
				SRS / SIM / MRS / ACSM	VCDT
				CVM / CTM	VCDT
				DWA	VCDT
				SHD	VCDT
				IKE / KOM / KOMBI	VCDT
				PDC	VCDT
				RAD	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				MID	VCDT
				ADS	VCDT
				AHK	VCDT
				EKM	VCDT
				EML	VCDT
				FHK	VCDT
			GSA	VCDT	
			URS	VCDT S99	
			VMX	VCDT	
			VNC	VCDT	
			XEN	VCDT	
			SPM / SM	VCDT	
			Coding/Program	Recoding	S1
				Service functions	S7
			Drive	EWS	VCDT S11
				DME / DDE	VCDT S14
				EGS / SMG	VCDT S17
			Chassis	ABS / ACS / DSC	VCDT S26
				EHC	VCDT S38
			Body	ZKE	VCDT S46
				SRS / SIM / MRS / ACSM	VCDT
				CVM / CTM	VCDT
				DWA	VCDT
				SHD	VCDT
				IKE / KOM / KOMBI	VCDTF S75
				PDC	VCDT
				RAD	VCDT
				LSZ / LCM	VCDT
				IHKA / IHKR	VCDT S90
				GR	VCDT
				MID	VCDT
				ADS	VCDT
				AHK	VCDT
				EKM	VCDT
				EML	VCDT
	1988-1989	Z1-E30			
	1996-2002	Z3-E36			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function	
Z Series	2000-2003	Z8-E52		FHK	VCDT	
				GSA	VCDT	
				URS	VCDT S99	
				VMX	VCDT	
				VNC	VCDT	
				XEN	VCDT	
				SPM / SM	VCDT	
			Coding/Program	Recoding	S1	
				CKM	S2	
				Service functions	S5,S7	
				Drive	EWS	VCDT S11
					DME / DDE	VCDT S14
	EGS / SMG	VCDT S17				
	Chassis	ABS / ACS / DSC	VCDT S26			
		RDC	VCDT			
		LEW	VCDT			
	Body	ZKE	VCDT S46			
		SRS / SIM / MRS / ACSM	VCDT			
		IKE / KOM / KOMBI	VCDTF S75			
		RAD	VCDT			
		IHKA / IHKR	VCDT S90			
	Coding/Program	URS	VCDT S99			
		Recoding	S1			
		Service functions	S7			
	2003-2008	Z4-E85/E86	Drive	EWS	VCDT S11	
				DME / DDE	VCDT S14	
				EGS / SMG	VCDT S17	
				EKPS	VCDTF	
				Chassis	ABS / ACS / DSC	VCDTF S26
					EPS	VCDT
					LEW	VCDT
			Body	ZKE	VCDT S46	
				SRS / SIM / MRS / ACSM	VCDTF	
				STVL / CDM	VCDT	
				STVR	VCDT	
				SBSL	VCDT	
				SBSR	VCDT	
				CVM / CTM	VCDT	
				IKE / KOM / KOMBI	VCDTF S75	
				PDC	VCDT	
				SZM / BZM	VCDT	
				RAD	VCDT	
DSP				VCDT		
LSZ / LCM				VCDT		
SMF				VCDT		
CID				VCDT		
Coding/Program			IHKA / IHKR	VCDT S90		
			NAJ	VCDT		
			BIT	VCDT S96		
			AIC	VCDT S97		
			VID	VCDT		
			Recoding	S1		
			CKM	S2		
			Service functions	S5,S7		

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
	2009-	Z4-E89	Drive	CAS / FEM	VCDTF S12
				DME / DDE	VCDTF S15
				EGS / SMG	VCDTF S18
				EKPS	VCDTF
				GWS	VCDT
			Chassis	ABS / ACS / DSC	VCDTF S27
				RDC	VCDT
				ACC / FRR / LRR	VCDT S108
				EMF	VCDT S33
				EPS	VCDTF S36
				EDC / VDC	VCDT S41
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47
				SRS / SIM / MRS / ACSM	VCDTF S49
				CVM / CTM	VCDT S109
				CA	VCDT
				DVDC / MMC	VCDT
				TCU / ULF / Tel	VCDT S57
				AMP / AMPH / AMPT	VCDTF
				NAV	VCDT S59
				CDC	VCDT
				CCC-ASK	VCDT
				DWA	VCDT S60
				RLS / RLSS	VCDT S63
				VM	VCDT
				SINE	VCDT
				ULF-SBX-H	VCDTF
				FZD	VCDT S71
				DAB	VCDT
				FLA	VCDT
				INSTR	VCDTF S76
				PDC	VCDT
				CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79
				CON / ZBE	VCDT
				SMFA	VCDT S100
				LM	VCDT
				FRM	VCDT S87
				CID	VCDT
			IHKA / IHKR	VCDT S91	
			Coding/Program	Recoding	S1
				CKM	S2
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
DME / DDE	VCDT S16				
DME2	VCDT				

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
I Series	2013 -	I01/I12	Drive	EGS / SMG	VCDT S19
				EME	VCDT
				GWS	VCDT
				RDME	VCDT
				REME	VCDT
			TFE	VCDT	
			Chassis	SME	VCDT S45
				ABS / ACS / DSC	VCDT S28
				EMF	VCDT S34
				EPS	VCDT S37
			Body	SRS / SIM / MRS / ACSM	VCDT S50
				ZGW	VCDT S98
				PMA	VCDT
				TBX	VCDT
				AMP / AMPH / AMPT	VCDT
				EME2	VCDT
				ASD	VCDT
				FZD	VCDT S72
				KAFAS	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				IHKA / IHKR	VCDT S92
				LIM	VCDT
				KLE	VCDT
			SAS	VCDT	
			VSG	VCDT	
			CSM	VCDT	
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6
			Drive	EWS	VCDT S11
				DME	VCDT
				DDE	VCDTF S14
				EGS / SMG	VCDT S17
			Chassis	ABS / ACS / DSC	VCDTF S26
				RDC	VCDT
				EHPS	VCDT S35
LEW	VCDT				
Body	ZKE	VCDT S46			
	SRS / SIM / MRS / ACSM	VCDTF			
	STVL / CDM	VCDT			
	STVR	VCDT			
	CVM / CTM	VCDT			
	SHD	VCDT			
	IKE / KOM / KOMBI	VCDTF S75			
	PDC	VCDT			
	RAD	VCDT			
	LSZ / LCM	VCDT			

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function	
MINI				IHKA / IHKR	VCDT S90	
				AIC	VCDT S97	
				BM	VCDT	
				URS	VCDT S99	
				Recoding	S1	
				CKM	S2	
				Service functions	S5,S7	
			Coding/Program	Drive	CAS / FEM	VCDTF S12
					DME / DDE	VCDTF S15
					EGS / SMG	VCDTF S18
			Chassis	ABS / ACS / DSC	VCDTF S27	
				EPS	VCDT S36	
				RDC	VCDT	
			Body	SGM-ZGM / KGM / JBE / JBBF	VCDTF S47	
				SRS / SIM / MRS / ACSM	VCDTF S49	
				SZL	VCDT	
				CVM / CTM	VCDT	
				CA	VCDT	
				AMP / AMPH / AMPT	VCDTF	
				NAV	VCDT S59	
	CDC	VCDT				
	CCC-ASK	VCDT				
	SHD	VCDT S62				
	ANT	VCDT				
	VM	VCDT				
	IBOC	VCDT				
	SDARS	VCDT				
	ULF-SBX-H	VCDTF				
	DAB	VCDT				
	INSTR	VCDTF S76				
	PDC	VCDT				
	CD-GW / M-ASK-GW / CCC-GW / CHAMP-GW / RAD2-GW / CIC-GW	VCDTF S78				
	CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC-BO	VCDT S79				
	AHM	VCDT				
	FRM	VCDT S87				
	CID	VCDT				
	IHKA / IHKR	VCDT S91				
	CCC-A	VCDT				
	Recoding	S1				
	CKM	S2				
	CBS reset	S3				
	CBS correct	S4				
	Service functions	S5,S6				
	Coding/Program	Drive	CAS / FEM	VCDT S13		
			DME / DDE	VCDT S16		
			EGS / SMG	VCDT S19		
	Chassis	AL / AFS / ASA	VCDT S30			
		ABS / ACS / DSC	VCDT S28			
			SRS / SIM / MRS / ACSM	VCDT S50		
	2006-	56/R57/R58/R59/R60			CAS / FEM	VCDT S13
DME / DDE					VCDT S16	
EGS / SMG					VCDT S19	
AL / AFS / ASA					VCDT S30	
ABS / ACS / DSC					VCDT S28	
SRS / SIM / MRS / ACSM					VCDT S50	

BMW V49.50 Diagnostics List (Note:For reference only)

Series	Year	Chassis		SyStem	Function
				SZL	VCDT S51
				TRSVC	VCDT
				HKFM	VCDT
				ZGW	VCDT S98
				PMA	VCDT
				DVDC / MMC	VCDT
				TBX	VCDT
				AMP / AMPH / AMPT	VCDT
				ASD	VCDT
				FZD	VCDT S72
				KAFAS	VCDT
				IKE / KOM / KOMBI	VCDT S77
				CBX-ECALL	VCDT
				CD / M-ASK-BO / RAD / CIC / RAD2-BO / CHAMP-BO / CCC- BO	VCDT S80
				PDC	VCDT
				CON / ZBE	VCDT
				SMFAH	VCDT S83
				SMBFH	VCDT S84
				SMFA	VCDT S81
				SMBF	VCDT S82
				AHM	VCDT
				FRM	VCDT S88
				IHKA / IHKR	VCDT S92
			Coding/Program	Recoding	S1
				CBS reset	S3
				CBS correct	S4
				Service functions	S5,S6

(*) :Tested;

(?) :Manual on website(www.x431.com)

Note:All description rights reserved by LAUNCH TECH.CO.,LTD

System Notes(系统说明)	
Driver:	驱动模块:
CAS/FEM [Car Access System]	CAS/FEM [车辆进入系统]
EWS [Elec. immobilize system]	EWS [电子防盗系统]
DME/DDE [Digital motor/Diesel electronics]	DME/DDE [数字式马达电子系统/数字式柴油电子系统]
DME2 [Digital Motor Electronics 2]	DME2 [发动机2]
EGS [Transmission control]	EGS [电控自动变速器]
SMG [Sequential Manual Gearbox]	SMG [序列式手动变速箱]
VTG/LMV [Gearbox control]	VTG/LMV [变速箱控制]
EKPS [Electronic Fuel pump]	EKPS [电子燃油泵]
VTC [Valvetronic]	VTC [电子控制气门]
VTC2 [Valvetronic 2]	VTC2 [电子控制气门 2]
GWS [Gear selector switch]	GWS [档位选择器开关]
QMVH [Lateral-moment distribution, rear axle]	QMVH [侧向力矩分配, 后轴]
EME [Electrical machine electronics]	EME [电气机械电子]
Chassis:	底盘模块:
ABS/ACS/DSC [Dynamic Stability Control]	ABS/ACS/DSC [动态稳定性控制]
AL/AFS/ASA [Active steering/Active Front Steering]	AL/AFS/ASA [主动转向 /主动前转向]
LDM [Longitudinal Dynamics Management]	LDM [纵向动态管理]
ICM [Integrated chassis management]	ICM [集成式底盘控制]
RDC [Tyre pressure control]	RDC [胎压控制]
ACC/FRR/LRR [Active Cruise Control]	ACC/FRR/LRR [自适应巡航控制]
ARS [Dynamic Drive]	ARS [动态驱动]
EMF [Parking brake]	EMF [停车制动器]
EPS [Electronic Power Steering]	EPS [电子动力转向]
EHPS [Electrically assisted steering]	EHPS [电动辅助转向]
EHC [Electronic Ride-Height Control]	EHC [电子高度控制]
EDC/VDC [Damper Control]	EDC/VDC [减振器控制]
ICMV [Integrated Chassis Management]	ICMV [集成式底盘控制]
VDM [Vertical Dynamics Management]	VDM [垂直动态管理]
CIM [Chassis Integration Module]	CIM [底盘综合模块]
LEW [Steering-angle sensor]	LEW [转向角传感器]
EDCSVL [Damper satellite, front left]	EDCSVL [左前减振器卫星电脑模块]
EDCSVR [Damper satellite, front right]	EDCSVR [右前减振器卫星电脑模块]
EDCSHL [Damper satellite, rear left]	EDCSHL [左后减振器卫星电脑模块]
EDCSHR [Damper satellite, rear right]	EDCSHR [右后减振器卫星电脑模块]
HSR [Rear-axle slip-angle control]	HSR [后轴打滑角度控制]
SME [Accumulator management electronics]	SME [蓄压器控制电子]
Body:	车身模块:

SGM-ZGM/KGM/JBE/JBBF [Safety and Gateway Module (ZGM)]	SGM-ZGM/KGM/JBE/JBBF [安全和网关模块(ZGM)]
ZKE [Central body electronic]	ZKE [中央电脑系统]
SRS/SIM/MRS/ACSM [Safety and Gateway Module (SIM)]	SRS/SGM-SIM/MRS/ACSM [安全和信息模块(SIM)]
SZL [Switch center, steering column]	SZL [转向管柱开关中心]
SASL [Satellite, A-pillar, left]	SASL [左A柱侧向加速度传感器]
SASR [Satellite, A-pillar, right]	SASR [右A柱侧向加速度传感器]
STVL/CDM [Satellite, door, front left]	STVL/CDM [左前门侧向加速度传感器]
STVR [Satellite, door, front right]	STVR [右前门侧向加速度传感器]
TR SVC [All round view camera]	TR SVC [全方位摄像头]
TMFA [Door module, driver]	TMFA [驾驶员门模块]
TMBF [Door module, front passenger]	TMBF [前乘客门模块]
SSFA [Satellite, seat, driver]	SSFA [司机座椅侧向加速度传感器]
SSBF [Satellite, seat, passenger]	SSBF [乘客座椅侧向加速度传感器]
SBSL [Satellite, B-pillar, left]	SBSL [左B柱侧向加速度传感器]
SBSR [Satellite, B-pillar, right]	SBSR [右B柱侧向加速度传感器]
HC/SWW [Lane change warning]	HC/SWW [变道警告]
SCR [Selective catalytic reduction]	SCR [可选催化减少]
SSH/HKFM [Satellite, seat, rear]	SSH/HKFM [后部座椅卫星式控制单元]
SFZ [Satellite vehicle center]	SFZ [车辆中心侧向加速度传感器]
SVT [Servotronic]	SVT [伺服助力转向系统]
CEM [Clean Energy Module]	CEM [清洁能源模块]
AHL [Adaptive directional headlights]	AHL [前照灯方向自适应]
CVM/CTM [Convertible-top module]	CVM/CTM [活动顶篷模块]
RSE [Rear Seat Entertainment]	RSE [后排座椅娱乐系统]
CA [Comfort Access]	CA [舒适进入系统]
DVDC/MMC [DVD changer]	DVDC/MMC [DVD播放机]
SG-FD-GW [Control module, rear-compartment]	SG-FD-GW [客厢后部控制模块]
SG-FD [Control module, rear-compartment]	SG-FD [客厢后部控制模块]
SVS [Language processing system]	SVS [语言处理系统]
TCU/ULF/TEL [Telematic Control unit]	TCU/ULF/TEL [信息通信控制单元]
AMP/AMPH/AMPT [Amplifier]	AMP/AMPH/AMPT [扩音器]
KHI /KHM [Headset interface]	KHI/KHM [听筒接口]
NAV [Navigation system]	NAV [导航系统]
CDC [CD Changer]	CDC [CD播放机]
HUD [Head-Up Display]	HUD [平视式显示器]
CCC-ASK [Audio system controller]	CCC-ASK [音响系统控制器]
DWA [Antitheft alarm system]	DWA [防盗警报系统]
PM/MPM [(Micro) Power module]	PM/MPM [动力模块]
SHD [Sliding/tilting sunroof]	SHD [滑动/倾斜天窗]
RLS [Rain/driving lights sensor]	RLS [雨量/阳光传感器]
WIM [Wiper module]	WIM [刮水器模块]

ANT [Aerial/antenna tuner]	ANT [天线调谐器]
VSW [Video switch]	VSW [视频开关]
JBIT [Japan Basis Interface Telephone]	JBIT [日本基本接口电话]
VM [Video Module]	VM [视频模块]
SEC [Supplementary control module]	SEC [辅助控制模块]
TMFAT [Door module, driver's door]	TMFAT [驾驶员侧车门模块]
TMBFT [Door module, passenger door]	TMBFT [乘客门模块]
TMFAH [Door module, driver's side rear]	TMFAH [驾驶员后侧车门模块]
TMBFH [Door module, passenger's side rear]	TMBFH [乘客后侧门模块]
EMALI [Left electric motor reel]	EMALI [左侧电子马达机轴]
EMARE [Right electric motor reel]	EMARE [右侧电子马达机轴]
SINE [Siren with tilt sensor]	SINE [警报器和倾斜传感器]
CANSIN [Anti_theft alarm system]	CANSIN [防盗警报系统]
MFL [Multi-function steering wheel]	MFL [多功能方向盘]
IBOC [Digital tuner US]	IBOC [美国数字调谐器]
SDARS [Satellite tuner]	SDARS [卫星调谐器]
ULF-SBX-H [Interface box High]	ULF-SBX-H [高接口箱]
FZD [Function Center, Roof]	FZD [天窗功能中心]
NVE/NIVI [Night Vision Electronics]	NVE/NIVI [夜视电子]
ALBFA [Active backrest width, driver]	ALBFA [主动式驾驶员靠背宽度]
ALBBF [Active backrest width, front passenger]	ALBBF [主动式前乘客靠背宽度]
DAB [Digital tuner]	DAB [数字调谐器]
TLC [Lane Departure Warning]	TLC [车道偏离警告]
KAFAS [Camera based driver assist systems]	KAFAS [基于摄像机原理的驾驶员辅助系统]
FLA [High Beam Assist]	FLA [远光灯协助]
INSTR [Instrument cluster]	INSTR [仪表盘]
IKE/KOM/KOMBI [Instrument cluster]	IKE/IKI/KOM/KOMBI [仪表盘]
PDC [Park Distance Control]	PDC [倒车雷达系统]
FBI [Flexible Bus Interface]	FBI [FBI]
CBX-ECALL [ComBox emergency call]	CBX-ECALL [ComBox 紧急呼叫]
CD-GW/M-ASK-GW/CCC-GW/CHAMP-GW/RAD2-GW/CIC-GW [Gateway]	CD-GW/M-ASK-GW/CCC-GW/CHAMP-GW/RAD2-GW/CIC-GW [网关]
CD/M-ASK-BO/RAD/CIC/RAD2-BO/CHAMP-BO/CCC-BO [Control Display / User interface]	CD/M-ASK-BO/RAD/CIC/RAD2-BO/CHAMP-BO/CCC-BO [控制显示器/用户接口]
SZM/BZM [Switching/Control center, center console]	SZM/BZM [中央控制台开关中心]
FBZM [Rear compartment, control center, center console]	FBZM [中央控制台后座区控制中心]
CON/ZBE [Controller]	CON/ZBE [控制器]
FCON/ZBEF [Rear Compartment controller]	FCON/ZBEF [后座区控制器]
RAD [Radio]	RAD [收音机]
SMFAH [Seat module, driver's side rear]	SMFAH [驾驶员侧后部座椅模块]
SMBFH [Seat module, passenger's side rear]	SMBFH [前乘客侧后部座椅模块]

DSP [Digital Sound Processor]	DSP [数码音响处理系统]
HKL [Rear-lid lift]	HKL [后行李箱盖提升装置]
STH [Park heating]	STH [驻车加热]
SMFA [Seat module, driver]	SMFA [驾驶员座椅模块]
SMBF [Seat module, passenger]	SMBF [前乘客座椅模块]
LM [Lights Module]	LM [灯光模块]
LSZ/LCM [Light switching center]	LSZ/LCM [灯光开关中心]
AHM [Trailer module]	AHM [挂车模块]
FRM [Footwell Module]	FRM [脚部空间模块]
KBM [Body Basic Module]	KBM [车身基础模块]
SMF [Seat memory, driver]	SMF [司机座椅存储器]
CID [Central Information Display]	CID [中央信息显示器]
FD/CIDF [Rear-compartment display]	FD/CIDF [后部车厢显示器]
CIDF2 [Rear-compartment display]	CIDF2 [后部车厢显示器]
RFK [Reversing camera]	RFK [倒车摄像头]
IHKA/IHKR [Integrated automatic heating/air conditioning]	IHKA/IHKR [集成自动加热/空调系统]
FKA [Rear heater/air conditioning]	FKA [后部加热器/空调]
SHZH [Independent/auxiliary heater]	SHZH [停车预热/辅助加热装置]
NVK [Night Vision camera]	NVK [夜视摄像机]
CCC-A [Applications]	CCC-A [设备]
GR [Cruise control]	GR [巡航控制]
FGB [Rear Compartment blower]	FGB [后部车厢鼓风机]
SES [Language-input system]	SES [语言输入系统]
NAJ [Navigation Computer, Japan]	NAJ [导航仪计算机, 日本]
MID [Multi Information Display]	MID [多功能显示器]
BIT [Basis Interface Telephone]	BIT [基本接口电话]
AIC [Automatic Interval Control]	AIC [刮水器自动间歇控制]
VID [Video Module]	VID [视频模块]
BM [On-board monitor]	BM [随车监视]
PMA [Parking assistant]	PMA [驻车辅助]
VOCS [Interior camera]	VOCS [内部摄像头]
ZGW [Central Gateway Module]	ZGW [中央网关模块]
ADS [Throttle-Valve Control]	ADS [节气门控制]
AHK [Active Rear-Axle Kinematics]	AHK [主动后桥运动学]
EKM [Electronic Body Module]	EKM [电子车身模块]
EML [Elec. throttle]	EML [电子发动机输出控制]
FHK [Rear Heater A/C System]	FHK [后暖风空调系统]
HKA [Rear-cabin automatic A/C]	HKA [后座区暖风和空调系统]
GSA [Closed-Loop-Controlled Differential-Lock AWD]	GSA [闭环控制差速锁全轮驱动]
URS [Rollover sensor]	URS [防翻滚传感器]
VMX [Top-speed Regulation]	VMX [最高车速调整]

VNC [Variable Camshaft Control]	VNC [可变凸轮轴控制]
XEN [XENON LIGHTS]	XEN [氙气大灯]
SPM/SM	SPM/SM
SMB [Entrance aid,passenger]	SMB [进车辅助,乘客侧]
SPMBT [Mirror memory,passenger]	SPMBT [乘客后视镜存储]
SPMFT [Mirror memory,driver]	SPMFT [司机后视镜存储]
ASD [Active Sound Design]	ASD [Active Sound Design]
TBX [Touchbox]	TBX [触控盒]
STML [Headlight driver module, left]	STML [左侧大灯驱动器模块]
STMR [Headlight driver module, right]	STMR [右侧大灯驱动器模块]
LHML [LED main light module, left]	LHML [左侧LED大灯控制模块]
LHMR [LED main light module, right]	LHMR [右侧LED大灯控制模块]
GZAL [Targeted illumination, left]	GZAL [左定向照明]
GZAR [Targeted illumination, right]	GZAR [右定向照明]
LRA [Headlight beam throw adjustment]	LRA [大灯光束投射调节]
RDME (Range extender digital engine electronics)	RDME (增程设备数字发动机电子单元)
REME (Range extender electrical machine electronics)	REME (增程设备电动机电子单元)
TFE (Pressurized fuel tank control module)	TFE (压力油箱电子控制系统)
LIM (Charging interface module)	LIM (充电接口模块)
KLE (Convenience charging electronics)	KLE (便捷充电系统)
SAS (Optional extra system)	SAS (特殊装备系统)
ZGM2 (Central gateway module 2)	ZGM2 (中央网关模块 2 - CGW)
VSG (Vehicle Sound Generator)	VSG (车辆声效发电机)
CSM (Car sharing module)	CSM (车辆共享模块)
ACP (Audio Control Panel)	ACP (音频控制面板)

Functions Notes (功能说明)			
	Basic functions:	基本功能	
V	VERSION INFORMATION	版本信息	
C	DTC	读故障码，清故障码，故障码帮助	
D	DATA Stream	读数据流	
T	ACTIVATION TEST	动作测试	
F	FREEZE FRAME	冻结帧	
	Special functions:	特殊功能	
S1	RECODING	编码	
S2	CKM(Car Key Memory)	车辆钥匙记忆	
S3	Maintenance / CBS RESET		
S3-1	Engine Oil	发动机机油	
S3-2	Microfilter	火花塞	
S3-3	Front barke	前制动	
S3-4	Rear brake	后制动	
S3-5	Vehicle check	车辆检查	
S3-6	Spark plugs	微过滤器	
S3-7	Brake fluid	制动液	
S3-8	Coolant	冷却液	
S3-9	Vehicle inspection	车辆检查日期	
S3-10	Exhaust emission inspection	废气检查日期	
S3-11	Diesel particle filter	柴油机微粒过滤复位	
S4	Maintenance / CBS Correct		
S4-1	Engine Oil	发动机机油	
S4-2	Microfilter	火花塞	
S4-3	Front barke	前制动	
S4-4	Rear brake	后制动	
S4-5	Vehicle check	车辆检查	
S4-6	Spark plugs	微过滤器	
S4-7	Brake fluid	制动液	
S4-8	Coolant	冷却液	
S4-9	Vehicle inspection	车辆检查日期	
S4-10	Exhaust emission inspection	废气检查日期	
S4-11	Diesel particle filter	柴油机微粒过滤校正	
S5	Transport mode	运输模式	
S5-1	Delete transport mode	删除运输模式	
S5-2	Set transport mode	设置运输模式	

S6	Service functions	保养功能	E60/E65/E70/ E71/E84/E87/ E90/R56 etc. F01/F10/F12/ F20/F25/F30/ F15 etc.
S6-1	Adjustment, Steering-angle sensor	方向盘转向角传感器调整功能	
S6-2	Electronic parking brake (EPB)	电子刹车片 (EPB)	
S6-3	Tyre air pressure warning lamp reset	轮胎气压报警灯归零	
S6-4	Throttle matching	节气门匹配	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S7	Service functions	保养功能	E38/E39/E46/ E53/E85/E83/ R50 etc.
S7-1	Key Test	钥匙检测功能	
S7-2	Display status of all keys	显示所有钥匙状态功能	
S7-3	Disable/Enable key	钥匙禁用或许用功能	
S7-4	Adjustment, Steering-angle sensor	方向盘转向角传感器调整功能	
S11	EWS [Elec. immobilize system]	EWS [电子防盗系统]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S11-1	Key	钥匙	
S11-2	Key status	钥匙状态	
S11-3	Disable/enable key	启用/解除钥匙	
S11-4	Write key variant	写钥匙设备	
S11-5	Enter retrofitting	输入改装	
S11-6	Add production date	添加生产日期	
S12	CAS [Car Access System]	CAS [车辆进入系统]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S12-1	CAS reset	汽车存取系统(CAS)复位	
S12-2	CAS KL 15 activation/deactivation	CAS (便捷登车及起动系统) 端子15 激活/失活	
S12-3	Reset internal ELV fault counter	复位内部ELV故障计数器	
S12-4	Resetting starter lock	重新启动锁定	
S12-5	Teach in radio remote control	学习无线电遥控	
S12-6	Power-down command	电力下降命令	

S13	CAS/FEM/BDC [Car Access System]	CAS/FEM/BDC [车辆进入系统]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S13-1	Engine start	启动	
S13-2	Presentation mode	演示模式	
S13-3	Power-down Command	掉电指令	
S13-4	CAS KL15 activation/deactivation	CAS（便捷登车及起动系统）端子15 激活/失活	
S13-5	FEM_KL 15 activation/deactivation	FEM（前部电子模块）端子15激活/ 失活	
S13-6	BDC-KL 15 activation/deactivation	BDC-端子15激活/解除	
S13-7	Remote key / ignition key - Blcok/enable	遥控钥匙/点火钥匙 - 禁用/启用	
S13-8	Remote key / ignition key - Personalisation number	遥控钥匙/点火钥匙 - 个性化号码	
S13-9	Initialisation of the Telestart transmitter	遥控起动发射器初始化设置	
S13-10	Initialisation of rain-light-solar- condensations sensor	初始化设置雨天/行车灯/雾气/光照 传感器	
S13-11	Initialise headlight driver module and teach in LEDs in headlight	对大灯驱动器模块进行初始化设置 并示教大灯中的 LED	
S13-12	Initialise power window drive	初始化电动车窗驱动	
S13-13	Remote Door Lock, Unlock triggering	远程车门联锁、解锁触发	
S13-14	Battery charging or trickle charging via diagnostic socket	蓄电池通过诊断插座（连续）充电	
S13-15	Adjust non-dazzle high-beam headlight	调整防炫目远光灯	F30
S13-16	Ride height adjustment	高度匹配	F56
S13-17	Initialise front wipers	前刮水器初始化设置	F56
S14	DME/DDE [Digital motor/Diesel electronics]	DME/DDE [数字式马达电子系统/数 字式柴油电子系统]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S14-1	DDE information	柴油发动机信息	
S14-2	EWS-DME/DDE adjustment	DME（DDE）-EWS调节	
S14-3	Idle speed adjustment	怠速调节	
S14-4	CO adjustment	一氧化碳调节	
S14-5	Reset adaptations	重置自适应	
S14-6	Setpoint/actual-value comparison, idle speed	设置点/实际值比较，怠速速度	
S14-7	OBD readiness codes	OBD，准备就绪编码	
S14-8	MFL and air conditioning	MFL和空调	
S14-9	Program all adjustments	编程所有调整	
S14-10	Pump program map	泵编程MAP	
S14-11	Clear adaptations	清除自适应	
S14-12	Smooth-running measurement	平稳运行测量	

S14-13	Tank-leak-system check	油箱泄漏系统检测	
S14-14	Secondary-air-system check	二次空气喷射系统检测	
S14-15	VANOS system check	VANOS（可变凸轮轴正时）系统测试	
S14-16	Tank-leak system check LDP (E38/E39)	油箱泄漏系统检测 LDP (E38/E39)	
S14-17	Tank-leak system check DMTL (E53/E39)	油箱泄漏系统检测 DMTL (E53/E39)	
S14-18	Consumption calculation	油耗计算	
S14-19	Exhaust-gas recirculation	废气再循环	
S14-20	Idle speed	怠速	
S14-21	Injector program map	喷射器脉谱图	
S14-22	Limitation delivery	限制供油	
S14-23	MFL and air conditioning	MFL和空调	
S14-24	Program all adjustments	编程所有调整	
S14-25	Starting fuel delivery	起动供油	
S14-26	Operational smoothness measurement	操作平滑度测量	
S14-27	Air mass flow sensor	空气质量流量传感器	
S14-28	Mean quantity adaptation	均量自适应	
S14-29	Reset variants	复位变量	
S14-30	Injection rate	喷油率	
S14-31	Injector rate adjustment	喷油率调整	
S14-32	Bleeding,fuel system	排气，燃油系统	
S14-33	Read measured values	读取测量值	
S14-34	Learning Valvetronic limit positions	自适应电子控制气门限制位置	
S14-35	Mechanical components/function	机械部件/功能	
S14-36	On-board Diagnosis Readiness Codes	OBD 就绪代码	
S14-37	Self-learning cycle	自适应循环	
S14-38	Activation,DMTL pump	激活，DMTL（油箱泄漏诊断模块）泵	
S14-39	Setpoint/actual-value comparison,idle speed	设置点/实际值比较，怠速速度	
S14-40	Remove Valvetronic servomotor	移除电子控制气门伺服马达	
S14-41	Ventilation,Cooling system	冷却系统排气	
S14-42	HFM,throttle valve,cooler bypass	冷却器旁通节气门HFM（热膜式空气质量流量计）	
S14-43	Regeneration,nitrogen-oxide catalytic converter	再生，氮氧化物催化剂转换器	
S14-44	Replacement,nitrogen-oxide catalytic converter	更换，氮氧化物催化剂转换器	
S14-45	Idling quality	怠速运转质量	
S14-46	Check,mixed-up oxygen sensor	检查，混乱的氧传感器	
S14-47	Energy-saving mode	节能模式	
S14-48	Idle adjustment,setpiont/actual value	怠速调节，设定值/实际值	

S14-49	Idle speed correction	怠速修正	
S14-50	Compression test	压缩测试	
S14-51	Boost pressure controller test	增压压力控制器测试	
S14-52	Fuel pressure test	燃油压力测试	
S14-53	Glow plug heater test	电热塞热测试	
S14-54	Reset pressure control	重置压力控制	
S14-55	Wear test	磨损测试	
S14-56	Eccentric shaft adjustment	偏心轴调整	
S14-57	Tolerance test, intermediate lever	公差测试, 中间位置控制杆	
S14-58	Idling quality	怠速运转质量	
S14-59	Learning/writing, zero-gear sensor	学习/写, 空档传感器	
S14-60	System check MSA	系统检查MSA	
S14-61	Read AV accumulator	读取AV系统记忆装置	
S14-62	Learning/writing, Teach in zero-gear sensor	学习/写, 学习空档传感器	
S15	DME/DDE [Digital motor/Diesel electronics]	DME/DDE [数字式马达电子系统/数字式柴油电子系统]	E60/E65/E70/E71/E84/E87/E90/R56 etc.
S15-1	Air mass flow sensor	空气质量传感器	
S15-2	Mean quantity adaptation	均量自适应	
S15-3	Electric fuel pump	电动燃油泵	
S15-4	Rail-pressure regulating valve	油轨压力调节阀	
S15-5	Swirl flap actuator	漩涡阀执行器	
S15-6	Reset varlants	复位变量	
S15-7	Consumption calculation	油耗计算	
S15-8	DDE-CAS	DDE-CAS	
S15-9	Exhaust-gas recirculation	废气再循环	
S15-10	Idle speed	怠速	
S15-11	Injection rate	喷油率	
S15-12	Injector rate adjustment	喷油率调整	
S15-13	Limitation delivery	限制供油	
S15-14	start basic injection quantity	起动基础喷油质量	
S15-15	Bleeding,fuel system	排气, 燃油系统	
S15-16	EOBD readiness codes	EOBD, 准备就绪编码	
S15-17	Operational smoothness measurement	操作的平稳度测量	
S15-18	Regeneration,particulate filter	微粒滤清器再生	
S15-19	Replacement,particulate filter	更换微粒滤清器	
S15-20	Read measured values	读取测量值	
S15-21	Bleeding,fuel system	排气, 燃油系统	
S15-22	EOBD readiness codes	EOBD, 准备就绪编码	
S15-23	Operational smoothness measurement	操作的平稳度测量	

S15-24	Read measured values	读取测量值	
S15-25	Clear adaptations	清除自适应	
S15-26	Co adjustment	一氧化碳调节	
S15-27	DME-CAS	DME-CAS	
S15-28	Fuel consumption display	油耗显示	
S15-29	Learning Valvetronic limit positions	自适应电子控制气门限制位置	
S15-30	Minimum stroke adjustment	最小冲程调整	
S15-31	Remove Valvetronic servomotor	移除电子控制气门伺服马达	
S15-32	On-board Diagnosis Readiness Codes	OBd 就绪代码	
S15-33	Eccentric shaft adjustment	偏心轴调整	
S15-34	Tolerance test,intermediate lever	公差测试, 中间位置控制杆	
S15-35	Smooth running test	平稳运行测试	
S15-36	Wear test	磨损测试	
S15-37	Self-learning cycle	自适应循环	
S15-38	Activation,DMTL pump	激活, DMTL (油箱泄漏诊断模块) 泵	
S15-39	Idling quality	怠速运转质量	
S15-40	Bleeding,fuel system	排气, 燃油系统	
S15-41	EOBD readiness codes	EOBD, 准备就绪编码	
S15-42	Operational smoothness measurement	操作的平稳度测量	
S15-43	Output correction,additive status	输出修正, 添加剂状态	
S15-44	Regeneration,particulate filter	微粒滤清器再生	
S15-45	Replacement,particulate filter	更换微粒滤清器	
S15-46	Read measured values	读取测量值	
S15-47	Record engine operating data	记录发动机工作数据	
S15-48	HFM,throttle valve,cooler bypass	冷却器旁通节气门HFM (热膜式空气质量流量计)	
S15-49	Learning/Writing zero-gear sensor	学习/写零档传感器	
S15-50	Reading AV memory	阅读AV记忆	
S15-51	System check MSA	系统检查MSA	
S15-52	Compression test	压缩测试	
S15-53	Regeneration,nitrogen-oxide catalytic converter	再生, 氮氧化物催化剂转换器	
S15-54	Replacement,nitrogen-oxide catalytic converter	更换, 氮氧化物催化剂转换器	
S15-55	Reset oil-change interval	发动机机油更换间隔复位	
S15-56	Injection deactivation	喷油关闭	
S15-57	VANOS ventilation	VANOS通风	
S15-58	Check,mixed-up oxygen sensor	检查, 混乱的氧传感器	
S15-59	Energy-saving mode	节能模式	
S15-60	Idle adjustment,setpoint/actual value	怠速调节, 设定值/实际值	
S15-61	Idle correction	怠速校正	
S15-62	Cruise control	巡航控制	

S15-63	Exhaust backpressure sensor before exhaust turbocharger	废气涡轮增压器前的排气背压传感器	
S15-64	Preheating control unit	预热控制单元	
S15-65	Register battery change	记录电池更换	
S15-66	Evaluate battery charge state	评估电池充电状态	
S15-67	Assembly test, electric throttle valve	组装测试, 电动节流阀	
S15-68	Fule grade	燃油等级	
S15-69	Compression test	压缩测试	
S15-70	Evaluate battery charge state	评估蓄电池充电状态	
S15-71	Evaluate closed-circuit current monitoring	评估休眠电流监控	
S15-72	Activate refuel detection	激活加注检测	
S15-73	SCR system adjustment	SCR 系统匹配	
S16	DME/DDE [Digital motor/Diesel electronics]	DME/DDE [数字式马达电子系统/数字式柴油电子系统]	F01/F10/F12/F20/F25/F30/F15 etc.
S16-1	Adjust injectors	调节喷射器	
S16-2	Clear adaptations	清除自适应	
S16-3	Consumption calculation	油耗计算	
S16-4	Fuel injector adaptation	燃油喷射器自适应	
S16-5	Idle speed	怠速	
S16-6	Fuel grade display	燃料等级显示	
S16-7	Ventilation,cooling system	冷却系统排气	
S16-8	On-board Diagnosis Readiness Codes	OBD 就绪代码	
S16-9	Evaluate battery charge state	评估电池充电状态	
S16-10	Register battery change	记录电池更换	
S16-11	Evaluate closed-circuit current monitoring	评估休眠电流监控	
S16-12	Air mass flow sensor	空气质量流量传感器	
S16-13	EGR valve	EGR (废气再循环) 阀	
S16-14	Electric fuel pump	电动燃油泵	
S16-15	Mean quantity adaptation	均量自适应	
S16-16	Rail-pressure regulating valve	油轨压力调节阀	
S16-17	Swirl-flap actuator	漩涡阀执行器	
S16-18	DDE-CAS	DDE-CAS	
S16-19	Exhaust-gas recirculation	废气再循环	
S16-20	Glow elements	预热元件	
S16-21	Injector rate adjustment	喷油率调整	
S16-22	Starting torque	起动扭矩	
S16-23	Register starter exchange	记录起动机更换	
S16-24	System check,automatic engine start-stop function	MSA 系统检查	
S16-25	Bleeding,fuel system	排气, 燃油系统	

S16-26	Regeneration,particulate filter	微粒滤清器再生	
S16-27	Replacement,particulate filter	更换微粒滤清器	
S16-28	Smooth running control	平稳运行控制	
S16-29	Engine oil quantity	发动机机油量	
S16-30	Learning Valvetronic limit positions	自适应电子控制气门限制位置	
S16-31	Valvetronic running-in phase	Valvetronic（电子控制气门）磨合阶段	
S16-32	Teach in zero-gear sensor	零档传感器调校	
S16-33	Preheating control unit	预热控制单元	
S16-34	Delete installation mode	删除安装模式	
S16-35	Start-up, fuel pump control	燃油泵控制试运行	
S16-36	Register teach acceleration sensor	记录示教加速传感器	
S17	EGS [Transmission control]	EGS [电控自动变速器]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S17-1	ATF-level check	ATF（自动变速器油）液位检查	
S17-2	Clear adaptation values	清除自适应值	
S17-3	Oil level check	机油液位检查	
S17-4	Adapt transmission fully	完全自适应变速器	
S17-5	Venting, transmission actuator	通风，变速器执行器	
S17-6	Teach in characteristic clutch-valve values	自学习离合器阀特征值	
S17-7	Teach in clutch slip point	自学习离合器滑点	
S17-8	Venting, clutch slave cylinder	通风，离合器从动缸	
S17-9	Venting, transmission actuator	通风，变速器执行器	
S17-10	Offset, sensor, longitudinal acceleration	纵向加速度传感器补偿	
S17-11	Calculate accumulator prepressurizing pressure	计算蓄压器压力	
S17-12	Disengage gear	脱档	
S17-13	Engage any gear	挂入任意档位	
S17-14	Resetting adaption functions	复位自适应功能	
S17-15	Mechatronics adjustment	机械电子调节	
S17-16	Oil-level adjustment	机油液位调节	
S17-17	Oil change/Oil lifetime	机油更换/机油使用寿命	
S17-18	Bleed hydraulic system	排气液压系统	
S17-19	Recalibration,transmission	重新校准，传输	
S17-20	Reduce hydraulic pressure	降低液压	
S17-21	Reset clutch characteristic	复位离合器特性	
S17-22	Teach in transmission	学习变速器	

S18	EGS [Transmission control]	EGS [电控自动变速器]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S18-1	Display and reset adaptation values	显示和复位自适应值	
S18-2	Mechatronics adjustment	机械电子调节	
S18-3	Oil-level adjustment	机油液位调节	
S18-4	Resetting adaption functions	复位自适应功能	
S18-5	Oil change	机油更换	
S18-6	Teach in transmission	学习变速器	
S18-7	Teach in clutch slip	学习离合器打滑	
S18-8	Reset clutch characteristic	复位离合器特性	
S18-9	Bleed hydraulic system	排气液压系统	
S18-10	Reduce hydraulic pressure	降低液压	
S18-11	Hydraulic pump activation test	液压泵激活测试	
S18-12	SMG disengage gear assembly test	SMG（序列式手排变速系统）脱档总成测试	
S18-13	Replacement and repair functions	更换和修复功能	
	- Transmission control (After replacement)	- 变速箱控制（更换后）	
	- Clutch	- 离合器	
	- Gearbox and engine	- 变速箱和发动机	
	- Hydraulics	- 液压	
	- Sensors	- 传感器	
S18-14	Calculate accumulator prepressurizing pressure	计算蓄压器压力	
S18-15	Defines engage Neutral	挂入空档	
S18-16	Engage any gear	挂入任意档位	
S18-17	flushing function	冲洗功能	
S18-18	Format fault memory	格式化故障记忆	
S18-19	Oil balancing	机油平衡	
S18-20	Teach-in functions	学习功能	
	- Clutch adaptation	- 离合器自适应	
	- Reset torque characteristic curve	- 复位扭矩特性曲线	
	- Teach in valve cnaracteristic curve	- 学习阀门特性曲线	
	- Tramsission adaptation	- 变速器自适应	
S18-21	Parking lock functional check	驻车锁，功能检查	
S18-22	Parking lock hook test	驻车锁，锁钩测试	
S19	EGS [Transmission control]	EGS [电控自动变速器]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S19-1	Display and reset adaptation values	显示和复位自适应值	
S19-2	Immobiliser reset function	防盗系统复位功能	

S19-3	Resetting adaption function	复位自适应功能	
S19-4	Oil balancing	机油平衡	
S19-5	Data adjustment, mechatronics	数据调整, 机电一体化	
S19-6	Flushing function	冲洗功能	
S19-7	Format fault memory	格式化故障记忆	
S19-8	Clutch adaptation	离合器自适应	
S19-9	Gearbox adaptation	变速器自适应	
S19-10	Learn in of valve characteristic curve	阀门特性曲线的学习	
S19-11	Reset torque characteristic curve	复位扭矩特性曲线	
S19-12	Parking lock functional check	驻车锁, 功能检查	
S19-13	Parking lock hook test	驻车锁, 锁钩测试	
S19-14	Integrated electrical pump	集成电动泵	
S20	VTG/LMV [Gearbox control]	VTG/LMV [变速箱控制]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S20-1	Oil change	机油更换	
S20-2	Repair	维修	
S21	VTG/LMV [Gearbox control]	VTG/LMV [变速箱控制]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S21-1	Oil change	机油更换	
S21-2	Repair	维修	
S22	VTG/LMV [Gearbox control]	VTG/LMV [变速箱控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S22-1	Repair	维修	
S23	EKP [Electronic Fuel pump]	EKP [电子燃油泵]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S23-1	Reset the production mode for the fuel pump control module	复位燃油泵控制单元生产模式	
S24	QMVH [Lateral-moment distribution, rear axle]	QMVH [侧向力矩分配, 后轴]	E70/E71
S24-1	Startup QMVH	调试QMVH (后桥横向扭矩分配)	
S24-2	Oil chage,QMVH	机油更换, QMVH (后桥横向扭矩分配)	
S25	EME [Electrical machine electronics]	EME [电气机械电子]	F04
S25-1	DC/DC converter calibration	DC/DC 转换器匹配	

S25-2	Motor position sensor adjustment	马达位置传感器匹配	
S25-3	Ventilation,cooling system	冷却系统排气	
S25-4	Charge high-voltage battery	高压蓄电池充电	
S25-5	Starting up the high-voltage battery unit	起动高压电池单元	
S26	ABS/ACS/DSC [Dynamic Stability Control]	ABS/ACS/DSC [动态稳定性控制]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S26-1	Lateral acceleration sensor	横向加速度传感器	
S26-2	Pressure sensors	压力传感器	
S26-3	All sensors	所有传感器	
S26-4	Connection,brake lines	连接，制动管路	
S26-5	Connection,speed sensor	连接，速度传感器	
S26-6	Ventilation	通风	
S26-7	Bleeding, ABS hydraulic modulator	排气，ABS液压调节器	
S26-8	Final check on ABS	最后检测ABS	
S26-9	Test procedures	测试步骤	
S26-10	rate of rotation sensor	转动率传感器	
S26-11	Steering angle sensor	转向角传感器	
S26-12	Bleeding,DSC hydraulics	排气，DSC（动态稳定控制）液压系统	
S26-13	Control-unit replacement	控制单元更换	
S26-14	Mix-up checks,brake lines	混合检查，制动管路	
S26-15	Bleeding the ABS/ASC hydraulic system	ABS（防抱死制动系统）/ASC（自动稳定性控制）液压系统排气	
S26-16	Reset ABS motor-relay clock counter	复位ABS（防抱死制动系统）马达继电器时钟计数	
S26-17	Final ABS/ASC check	ABS/ASC最后检测	
S26-18	Bleeding procedure for special cases	特殊情况的排气程序	
S26-19	Brake bleeding procedure	制动排气程序	
S26-20	Mix-up checks,brake lines	混合检查，制动管路	
S26-21	Adjustment of DSC sensor	DSC（动态稳定性控制系统）传感器的调节	
S26-22	Adjustment,DSC unit	DSC（动态稳定性控制）装置调节	
S26-23	Steering angle sensor adjustment	转向角传感器调节	
S27	ABS/ACS/DSC [Dynamic Stability Control]	ABS/ACS/DSC [动态稳定性控制]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S27-1	Bleeding,DSC hydraulics	排气，DSC（动态稳定控制）液压系统	
S27-2	Dynamic Stability Control autocoding	动态稳定控制系统自动编码	
S27-3	Adjustment of DSC sensor	DSC（动态稳定性控制系统）传感器的调节	

S27-4	Adjustment,DSC unit	DSC（动态稳定性控制）装置调节	
S27-5	Brake bleeding procedure	制动排气程序	
S27-6	Bleeding procedure for special cases	特殊情况的排气程序	
S27-7	Mix-up checks,brake lines	混合检查，制动管路	
S27-8	Steering angle sensor adjustment	转向角传感器调节	
S27-9	Run Flat Indicator	轮胎低压续跑指示器	
S28	ABS/ACS/DSC [Dynamic Stability Control]	ABS/ACS/DSC [动态稳定性控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S28-1	Brake bleeding procedure	制动排气程序	
S28-2	Mix-up checks,brake lines	混合检查，制动管路	
S28-3	DSC control unit adjustment	DSC（动态稳定控制）控制单元调节	
S28-4	Brake bleeding procedure for special cases	特殊情况的排气程序	
S28-5	Adjustment of the driving dynamics sensors	动态行驶传感器匹配	
S28-6	Pressure encoding, tyre pressure control	轮胎压力监控压力设码	F56
S29	AL/AFS/ASA [Active steering/Active Front Steering]	AL/AFS/ASA [主动转向 /主动前转向]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S29-1	Start-up/alignment of active steering	启动主动转向/调整	
S30	AL/AFS/ASA [Active steering/Active Front Steering]	AL/AFS/ASA [主动转向 /主动前转向]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S30-1	Start-up of active steering	主动转向系统的调试	
S31	ICM [Integrated chassis management]	ICM [集成式底盘控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S31-1	Adjustment,ICM sensor system	ICM（一体化底盘管理系统）传感器系统调节	
S31-2	Ride height adjustment	行车高度调节	
S32	ARS [Dynamic Drive]	ARS [动态驱动]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S32-1	Fault,sensor,learn values	故障，传感器，学习值	
S32-2	Initial operation	初始操作	
	- Start startup	- 起动调试	

	- Startup fault	- 启动故障	
	- Warning, startup	- 预警, 启动	
S32-3	Learn sensor parameters	学习传感器参数	
	- Lateral acceleration sensor	- 横向加速度传感器	
	- Pressure sensor, front axle	- 压力传感器, 前轴	
	- Pressure sensor, rear axle	- 后桥压力传感器	
S32-4	Learn sensor zero point	学习传感器零值	
	- Lateral acceleration sensor	- 横向加速度传感器	
	- Pressure sensor, front axle	- 压力传感器, 前轴	
	- Pressure sensor, rear axle	- 后桥压力传感器	
S33	EMF [Parking brake]	EMF [停车制动器]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S33-1	Assembly mode	总成模式	
S33-2	Workshop braking-in	工厂磨合	
S33-3	Positioning-travel check	定位行程检查	
S33-4	Execute brake-in program	执行制动程序	
S33-5	Workshop mode	修理厂模式	
S33-6	Initial operation	初始操作	
S34	EMF [Parking brake]	EMF [停车制动器]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S34-1	Bedding-in procedure	匹配程序	
S34-2	Workshop mode	修理厂模式	
S34-3	Initial operation	初始操作	
S35	EHPS [Electrically assisted steering]	EHPS [电动辅助转向]	R50
S35-1	Measurement, resistance	测量, 电阻	
S36	EPS [Electronic Power Steering]	EPS [电子动力转向]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S36-1	End stop	极限位置	
S36-2	Start-up, EPS unit	启动, EPS单元	
S36-3	Adjustment, steering-torque sensor	调整, 转向力矩传感器	
S37	EPS [Electronic Power Steering]	EPS [电子动力转向]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S37-1	EPS start-up	EPS (电动机械式助力转向系统) 调试	

S38	EHC [Electronic Ride-Height Control]	EHC [电子高度控制]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S38-1	Check,actuators	检查执行器	
S38-2	delete line mode	删除线模式	
S38-3	Inquiry,line mode	查询，线模式	
S38-4	Ride height sensor check	行车高度传感器检查	
S38-5	Ride height adjustment	行车高度调节	
S38-6	Delete transport mode	取消运输模式	
S38-7	Inquiry,transport mode	查询，运输模式	
S38-8	Warning lamp, pre-drive check (10s)	告警灯，驱动前检查 (10s)	
S38-9	Warning lamp, pre-drive check (30s)	告警灯，驱动前检查 (30s)	
S38-10	Check, air supply system	检查，空气供给系统	
S38-11	Check, compressor relay	检查压缩机继电器	
S38-12	Check, solenoid valve	电磁阀检查	
S38-13	Check, supply, pressure accumulator	蓄压器供电检查	
S38-14	Check, valve, pressure accumulator	蓄压器阀检查	
S38-15	Vent pressure accumulator	排空蓄压器	
S39	EHC [Electronic Ride-Height Control]	EHC [电子高度控制]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S39-1	Ride height sensor check	行车高度传感器检查	
S39-2	Check,air supply system	检查，空气供给系统	
S39-3	Check,compressor,relay	检查，压缩机，继电器	
S39-4	Delete energy saving mode	删除能量保存模式	
S39-5	Check,raise/low function	检查，升高/降低功能	
S39-6	Draining the air-spring bellows	排空空气拉伸箱	
S39-7	Filling the air-spring bellows	加注空气拉伸箱	
S39-8	Preparation, wheel/axle alignment	车轴测量准备工作	
S39-9	Ride height adjustment	高度匹配	
S40	EHC [Electronic Ride-Height Control]	EHC [电子高度控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S40-1	Filling and discharging air from air bellows	空气波纹管的填充和排气	
S40-2	Ride height sensor check	行车高度传感器检查	
S40-3	Activate compressor	激活压缩机	

S41	EDC/VDC [Damper Control]	EDC/VDC [减振器控制]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S41-1	Adjustment, shock absorber	减震器调节	
S41-2	Initial setting, switch-on state	初始设置, 接通状态	
S41-3	System startup after control-unit replacement	系统启动后, 控制单元更换	
S41-4	Ride height adjustment	行车高度调节	
S41-5	Vertical-acceleration-sensor adjustment	垂直加速度传感器的调整	
S42	ICMV [Integrated Chassis Management]	ICMV [集成式底盘控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S42-1	Initial operation	初始操作	
	- Start startup	- 起动调试	
	- Start-up, fault evaluation	- 调试, 故障评估	
S42-2	Learn pressure sensors	学习压力传感器	
	- Adapt pressure sensors with fault evaluation	- 随着故障评估适应压力传感器	
S42-3	Self-diagnosis	自诊断	
	- Self-diagnosis, fault evaluation	- 自诊断, 故障评估	
	- Start self-diagnosis	- 启动自诊断	
S43	CIM [Chassis Integration Module]	CIM [底盘综合模块]	E65
S43-1	Calibration, Steering column	标定, 转向柱	
S44	HSR [Rear-axle slip-angle control]	HSR [后轴打滑角度控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S44-1	HSR function check (deflection test)	HSR (后桥侧偏角控制系统) 功能检查 (偏转测试)	
S44-2	Rear axle wheel alignment	后桥车轮定位	
S44-3	Start-up HSR rotor position sensor	调试HSR (后桥侧偏角控制系统) 转子位置传感器	
S45	SME [Accumulator management electronics]	SME [蓄压器控制电子]	F04
S45-1	High-voltage safety check	高压安全性检查	
S45-2	Locate insulation fault	定位绝缘故障	
S46	ZKE [Central body electronic]	ZKE [中央电脑系统]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S46-1	Set/delete opening limitation	设置/删除开度极限	

S46-2	Log remote control key on/off	启动/注销遥控钥匙	
S46-3	Anti-theft alarm system - DWA activation	防盗报警系统激活	
S46-4	Service action,general module 5	保养动作，通用模块5	
S46-5	Set/delete opening limitation	设置/删除开度极限	
S47	SGM-ZGM/KGM/JBE/JBBF [Safety and Gateway Module (ZGM)]	SGM-ZGM/KGM/JBE/JBBF [安全和网关模块(ZGM)]	E60/E65/E70/E71/E84/E87/E90/R56 etc.
S47-1	Power window regulator	电动车窗调节器	
S47-2	Waking up the vehicle	唤醒车辆	
S47-3	Initialise rain sensor	初始化雨水传感器	
S47-4	DWA triggering	DWA 触发	
S47-5	Battery charging or trickle charging via diagnostic socket	蓄电池通过诊断插座（连续）充电	
S48	JBBF [Junction-box electronics]	JBBF [连接盒电子]	F01/F10/F12/F20/F25/F30/F15 etc.
S48-1	Power window regulator	电动车窗调节器	
S48-2	Solar rain/light fogging sensor	雨水/阳光传感器	
S48-3	Battery charging or trickle charging via diagnostic socket	蓄电池通过诊断插座（连续）充电	
S49	SRS/SIM/MRS/ACSM [Safety and Gateway Module (SIM)]	SRS/SGM-SIM/MRS/ACSM [安全和信息模块(SIM)]	E60/E65/E70/E71/E84/E87/E90/R56 etc.
S49-1	Enable seat-occupancy mat, front passenger	启用前乘客座椅占用传感垫	
S49-2	Start system time:Satelitepassenger	启动系统时间：卫星式传感器	
S49-3	Trigger roll bar	触发翻车保护杆	
S49-4	Read coding data	读取编码数据	
S50	SRS/SIM/MRS/ACSM [Safety and Gateway Module (SIM)]	SRS/SGM-SIM/MRS/ACSM [安全和信息模块(SIM)]	F01/F10/F12/F20/F25/F30/F15 etc.
S50-1	Lock airbag	锁止安全气囊	
S50-2	Enable seat occupancy mat	启用座椅占用传感垫	
S51	SZL [Switch center, steering column]	SZL [转向管柱开关中心]	F01/F10/F12/F20/F25/F30/F15 etc.
S51-1	Steering wheel angle sensor adjustment	转向角传感器调节	

S51-2	TLC: Calibrate vibration motor	校准振动马达	
S52	TMFA [Door module, driver]	TMFA [驾驶员门模块]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S52-1	Initialising the power windows	初始化电动车窗	
S53	TMBF [Door module, front passenger]	TMBF [前乘客门模块]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S53-1	Initialising the power windows	初始化电动车窗	
S54	HC/SWW [Lane change warning]	HC/SWW [变道警告]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S54-1	Initialising the power windows	初始化电动车窗	
S55	RSE [Rear Seat Entertainment]	RSE [后排座椅娱乐系统]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S55-1	Teach in radio remote control	学习无线电遥控	
S56	RSE [Rear Seat Entertainment]	RSE [后排座椅娱乐系统]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S56-1	Teach in radio remote control	学习无线电遥控	
S56-2	Activate radio module	激活收音机模块	
S57	TCU/ULF/TEL [Telematic Control unit]	TCU/ULF/TEL [信息通信控制单元]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S57-1	Log off CKPH	注销CKPH	
S57-2	Log on CKPH	登录CKPH	
S57-3	Initialized telematics services	初始化远程信息处理服务	
S57-4	Activate Bluetooth and emergency call	激活蓝牙和紧急呼叫	
S57-5	Correct volume	音量校正	
S57-6	Log handset in and off	登录听筒开/关	
S57-7	Log on snap-in adapter	登录管理单元适配器	
S57-8	TCU subsequent evaluation	TCU随后评估	
S57-9	Resetting BMW Assist	重置宝马辅助	
S57-10	Re-enabling BMW Assist	重启BMW辅助	

S58	NAV [Navigation system]	NAV [导航系统]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S58-1	Initialisation	初始化	
S58-2	DVD lock	DVD锁止	
S59	NAV [Navigation system]	NAV [导航系统]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S59-1	DVD lock	DVD锁止	
S60	DWA [Antitheft alarm system]	DWA [防盗警报系统]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S60-1	DWA triggering	DWA 触发	
S61	PM/MPM [(Micro) Power module]	PM/MPM [动力模块]	E65/E60
S61-1	Register battery replacement	记录电池更换	
S62	SHD [Sliding/tilting sunroof]	SHD [滑动/倾斜天窗]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S62-1	Initialise slide/tilt sunroof	初始化滑动/倾斜天窗	
S62-2	Delivery position	传输位置	
S63	RLS [Rain/driving lights sensor]	RLS [雨量/阳光传感器]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S63-1	Initialise rain sensor	初始化雨水传感器	
S64	WIM [Wiper module]	WIM [刮水器模块]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S64-1	Vent SRA	通风SRA	
S64-2	Windscreen wipers - Installation position	挡风玻璃雨刮器安装位置	
S65	TMFAT [Door module, driver's door]	TMFAT [驾驶员侧车门模块]	E65
S65-1	Initialise power window regulators	电动车窗调节器	
S66	TMBFT [Door module, passenger door]	TMBFT [乘客门模块]	E65
S66-1	Initialise power window regulators	电动车窗调节器	

S67	TMFAH [Door module, driver's side rear]	TMFAH [驾驶员后侧车门模块]	E65
S67-1	Initialise power window regulators	电动车窗调节器	
S68	TMBFH [Door module, passenger's side rear]	TMBFH [乘客后侧门模块]	E65
S68-1	Initialise power window regulators	电动车窗调节器	
S69	EMALI [Left electric motor reel]	EMALI [左侧电子马达机轴]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S69-1	Motor-driven belt retractor, left -> Replace drive, left	电动安全带卷收器, 左	
S70	EMARE [Right electric motor reel]	EMARE [右侧电子马达机轴]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S70-1	Motor-driven belt retractor, right -> Replace drive, right	电动安全带卷收器, 右	
S71	FZD [Function Center, Roof]	FZD [天窗功能中心]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S71-1	Initialise slide/tilt sunroof	初始化滑动/倾斜天窗	
S71-2	Alarm triggers	警报触发器	E70
S72	FZD [Function Center, Roof]	FZD [天窗功能中心]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S72-1	Initialise slide/tilt sunroof	初始化滑动/倾斜天窗	
S73	ALBFA [Active backrest width, driver]	ALBFA [主动式驾驶员靠背宽度]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S73-1	ALBFA initialization	ALBFA初始化	
S74	ALBBF [Active backrest width, front passenger]	ALBBF [主动式前乘客靠背宽度]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S74-1	ALBBF initialization	ALBBF (前乘客主动式靠背宽度) 初始化	

S75	IKE/KOM/KOMBI [Instrument cluster]	IKE/IKI/KOM/KOMBI [仪表盘]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S75-1	Reset service interval indicator	复位保养间隔指示器	
S76	INSTR [Instrument cluster]	INSTR [仪表盘]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S76-1	Instrument cluster system test	仪表自测试	
S76-2	Total counter, convertible top opening time	打开折叠式软顶的持续时间总计数器	R56
S77	IKE/KOM/KOMBI [Instrument cluster]	IKE/IKI/KOM/KOMBI [仪表盘]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S77-1	Instrument cluster system test	仪表自测试	
S78	CD-GW/M-ASK-GW/CCC-GW/CHAMP-GW/RAD2-GW/CIC-GW [Gateway]	CD-GW/M-ASK-GW/CCC-GW/CHAMP-GW/RAD2-GW/CIC-GW [网关]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S78-1	MOST ring,save configuration	MOST环, 保存配置	
S78-2	Turn,New Zealand	调谐器, 新西兰	
S78-3	Creat boot file again	再创建引导文件	
S79	CD/M-ASK-BO/RAD/CIC/RAD2-BO/CHAMP-BO/CCC-BO [Control Display / User interface]	CD/M-ASK-BO/RAD/CIC/RAD2-BO/CHAMP-BO/CCC-BO [控制显示器 / 用户接口]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S79-1	Turn, Japan	调谐器, 日本	
S79-2	Restore delivery status	恢复交付状态	
S80	CIC/CHAMP [Car headunit platform]	CIC/CHAMP [车头单元平台]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S80-1	Restore delivery status	恢复交付状态	
S80-2	Save configuration of MOST ring	保存MOST环的配置	
S80-3	Test function for map data	地图数据的测试功能	
S80-4	Activate SDARS after headunit replacement	更换主机后激活 SDARS	
S81	SMFA [Seat module, driver]	SMFA [驾驶员座椅模块]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S81-1	Driver's side normalisation	驾驶员座椅标准化	

S82	SMBF [Seat module, passenger]	SMBF [前乘客座椅模块]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S82-1	Front passenger side normalisation	前乘客座椅标准化	
S83	SMFAH [Seat module, driver's side rear]	SMFAH [驾驶员侧后部座椅模块]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S83-1	Rear driver's side normalisation	驾驶员后座椅标准化	
S84	SMBFH [Seat module, passenger's side rear]	SMBFH [前乘客侧后部座椅模块]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S84-1	Rear front passenger side normalisation	前乘客后座椅标准化	
S85	HKL [Rear-lid lift]	HKL [后行李箱盖提升装置]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S85-1	Initialisation,automatic tailgate actuation	初始化, 自动尾灯驱动	
S86	HKL [Rear-lid lift]	HKL [后行李箱盖提升装置]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S86-1	Initialisation,automatic tailgate actuation	初始化, 自动尾灯驱动	
S87	FRM [Footwell Module]	FRM [搁脚空间模块]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S87-1	Initialise power window	初始化电动车窗	
S87-2	VA calibration body general module	VA标定车身通用模块	
S88	FRM [Footwell Module]	FRM [脚部空间模块]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S88-1	Initialise power window drive	初始化电动车窗驱动	
S88-2	Electric steering-column adjustment	电动转向柱调节	
	- Normalization	- 标准化	
	- Partial normalization	- 部分标准化	
S88-3	Initialise new headlight driver module and teach-in turn indicator	对大灯驱动器模块进行初始化设置并示教大灯中的LED	

S89	VDC [Vertical Dynamics Management]	VDC [垂直动态管理]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S89-1	Initial operation	初始操作	
S90	IHKA/IHKR [Integrated automatic heating/air conditioning]	IHKA/IHKR [集成自动加热/空调系统]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S90-1	Deactivate transport-lock function	解除运输锁功能	
S91	IHKA/IHKR [Integrated automatic heating/air conditioning]	IHKA/IHKR [集成自动加热/空调系统]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S91-1	Refrigerant compressor run-in protection	压缩机激活保护	
S91-2	Rear-window roller blind	后窗卷帘	
S91-3	Operating parameter of evaporator temperature	蒸发器温度的运行参数	
S91-4	Readdress flap motors	重新编址风门马达	
S91-5	Electric steering-column adjustment	电动转向柱调节	
S91-6	flap motors	风门马达	
S92	IHKA/IHKR [Integrated automatic heating/air conditioning]	IHKA/IHKR [集成自动加热/空调系统]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S92-1	Flap motors	风门马达	
	- Perform flap-motor calibration run	- 执行阀门马达标定运行	
	- Readdress flap motors	- 重新编址风门马达	
S92-2	Independent/auxiliary heater	独立/辅助加热器	
	- Adaptation, undervoltage limit	- 匹配低电压极限	
	- Unlocking	- 解锁	
S92-3	Run-in protection for A/C compressor	空调压缩机保护装置运行	
	- Air conditioning compressor initial operation	- 空调压缩机初始运行	
S92-4	Unlock electric auxiliary heater	解锁电控辅助加热器	F56
S93	FKA [Rear heater/air conditioning]	FKA [后部加热器/空调]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S93-1	Drain/fill refrigerant circuit	排放/加注冷却液回路	
S94	FKA [Rear heater/air conditioning]	FKA [后部加热器/空调]	F01/F10/F12/ F20/F25/F30/ F15 etc.

S94-1	Drain/fill refrigerant circuit	排放/加注冷却液回路	
S95	SHZH [Independent/auxiliary heater]	SHZH [停车预热/辅助加热装置]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S95-1	Independent/auxiliary heater	独立/辅助加热器	
	- Heating test run	- 加热测试运行	
	- unlocking	- 解锁	
S96	BIT [Basis Interface Telephone]	BIT [基本接口电话]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S96-1	Change emergency number	更改紧急号码	
S96-2	Log handset on/off	登录听筒开/关	
S96-3	Log handset on/off	登录听筒开/关	
S96-4	Re-enabling BMW assist	重启BMW辅助	
S97	AIC [Automatic Interval Control]	AIC [刮水器自动间歇控制]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S97-1	Initialise rain sensor	初始化雨水传感器	
S98	ZGW [Central Gateway Module]	ZGW [中央网关模块]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S98-1	Initialize FlexRay	初始化FlexRay	
S99	URS [Rollover sensor]	URS [防翻滚传感器]	E38/E39/E46/ E53/E85/E83/ R50 etc.
S99-1	Rollover sensor	翻车传感器	
S100	SMFA [Seat module, driver]	SMFA [驾驶员座椅模块]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S100-1	Standardisation of seat	座椅标准化	
S101	SMBF [Seat module, passenger]	SMBF [前乘客座椅模块]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S101-1	Standardisation of seat	座椅标准化	
S102	RDC (Tyre pressure control)	RDC (胎压控制)	E90

S102-1	Pressure encoding, tyre pressure control	轮胎压力监控压力设码	
S103	ACC/FRR/LRR [Active Cruise Control]	ACC/FRR/LRR [自适应巡航控制]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S103-1	Start-up of ACC sensor	试运行 ACC 传感器	
S104	KAFAS [Camera based driver assist systems]	KAFAS [基于摄像机原理的驾驶员辅助系统]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S104-1	Calibration of camera-based driver support systems	基于摄像机的驾驶员辅助系统校准	
S105	TRSVC [All round view camera]	TRSVC [全方位摄像头]	F01/F10/F12/ F20/F25/F30/ F15 etc.
S105-1	Calibrating and teaching system for all-round vision camera	全景摄像机的校准和学习	
S106	RDC (Tyre pressure control)	RDC (胎压控制)	F25
S106-1	Pressure encoding, tyre pressure control	轮胎压力监控压力设码	
S107	TLC (Lane Departure Warning)	TLC (车道偏离警告)	E63
S107-1	Calibration of lane departure warning	车道偏离报警装置校准	
S108	ACC/LRR [Active Cruise Control]	ACC/LRR [自适应巡航控制]	E60/E65/E70/ E71/E84/E87/ E90/R56 etc.
S108-1	Adjust ACC sensor	调整 ACC 传感器	
S109	CVM/CTM [Convertible-top module]	CVM/CTM [活动顶篷模块]	E89
S109-1	Rear module, emergency opening	车尾模块紧急打开	