

BMW V47.30 Diagnostics List (Note: For reference only)

[illegible]

[illegible]

BMW V47.30 Diagnostics List (Note: For reference only)

7 Series	1995 - 2001	E38		CDTV S1	CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78		CDTV S37,S38,S40, S41,S42,S13 0							CDTV S1 S131,S 132,S1 33									CDTV S150	
	2002 - 2008	E65/E66	CDTVF S1,S2 S30,S31 S32,S1 73,S174		CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78,S169	CDTV S1	CDTVF S1 S33,S34,S35, S36,S37,S38, S39,S40,S41, S42,S43,S44		CDTV F	CDTV	CDTV			CDTV F S1 S80,S8 1,S82, S83,S8 4,S85, S26				CDTV S1	CDTV S1 S90,S9 1	CDTV S1 S87,S8 8,S89			CDTV S1 S92,S9 3,S94, S95,S9 6	CDTV S1 S118,S 119,S1 20,S12 1
	2008 -	F01/F02/F03/F04	CDTV		CDTV S45,S46,D56,S66, S69,S75,S77,S135 ,S136,S137,S138, S139,S140,S141,S 142,S143,S144,S1 97,S198,S199,S20 0,S201,S202,S203, S204,S205	CDTV	CDTV	CDTV	CDTV		CDTV		CDTV	CDTV S145	CDTV		CDTV	CDTV			CDTV S146 S148 S149	CDTV		CDTV
8 Series	1989 - 1999	E31		CDTV	CDTV		CDTV							CDTV									CDTV	
	2009 -	X1-E84	CDTVF S1,S2 S30,S31 S32		CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78		CDTVF S1 S33,S34,S35, S36,S37,S38, S39,S40,S41, S42,S43,S44		CDTV F S1		CDTV			CDTV F S1 S80,S8 1,S82, S83,S8 4,S85, S26				CDTV S1			CDTV F S1 S86		CDTV S92,S9 3,S94, S95,S9 6	CDTV S118,S 119,S1 20,S12 1
	2003 - 2010	X3-E83		CDTV S1	CDTV S1 S45,S46,S47,S48, S50,S51,S52,S53, S55,S56,S57,S66, S67,S68,S122,S12 3,S124,S125,S126, S127,S128,S129,S 169		CDTV S37,S38,S40, S41,S42,S13 0	CDTV S1	CDTV S1					CDTV S1 S131,S 132,S1 33										
	2010 -	X3-F25	CDTV		CDTV S75,S77,S135,S13 6,S137,S138,S139, S140,S141,S142,S 143,S144	CDTV	CDTV	CDTV	CDTV		CDTV		CDTV	CDTV S145	CDTV		CDTV	CDTV			CDTV	CDTV S146 S148 S149		CDTV

BMW V47.30 Diagnostics List (Note: For reference only)

X Series	1998 - 2006	X5-E53		CDTV S1	CDTV S45,S46,S47,S48, S50,S51,S52,S53, S55,S56,S57,S66, S67,S68,S122,S12 3,S124,S125,S126, S127,S128,S129	CDTV S37,S38,S40, S41,S42,S13 0								CDTV S1 S131,S 132,S1 33				CDTV S1						CDTV S1 S150	
	2007 -	X5-E70	CDTVF S1,S2 S30,S31 ,S32		CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78	CDTVF S33,S34,S35, S36,S37,S38, S39,S40,S41, S42,S43,S44	CDTV	CDTV F	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV F S80,S8 1,S82, S83,S8 4,S85, S26	CDTV S79			CDTV		CDTV S90,S9 1	CDTV S87,S8 8,S89			CDTV S92,S9 3,S94, S95,S9 6,S195 S196	
	2008 -	X6-E71	CDTVF S1,S2 S30,S31 ,S32		CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78	CDTVF S33,S34,S35, S36,S37,S38, S39,S40,S41, S42,S43,S44	CDTV	CDTV F	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV F S80,S8 1,S82, S83,S8 4,S85, S26	CDTV S79			CDTV		CDTV S90,S9 1	CDTV S87,S8 8,S89			CDTV S92,S9 3,S94, S95,S9 6	
Z Series	1988 - 1989	Z1-E30		CDTV	CDTV	CDTV								CDTV										CDTV	
	1996 - 2002	Z3-E36		CDTV	CDTV	CDTV								CDTV S131,S 132,S1 33										CDTV	
	2000 - 2003	Z8-E52		CDTV	CDTV	CDTV								CDTV				CDTV							
	2003 - 2008	Z4-E85/E86		CDTV S1	CDTV S1 S45,S46,S47,S48, S50,S51,S52,S53, S55,S56,S57,S66, S67,S68,S122,S12 3,S124,S125,S126, S127,S128,S129	CDTV S37,S38,S40, S41,S42,S13 0		CDTV S1						CDTV S1 S131,S 132,S1 33								CDTV S1			
	2009 -	Z4-E89	CDTVF S1,S2 S30,S31 ,S32		CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78	CDTVF S1 S33,S34,S35, S36,S37,S38, S39,S40,S41, S42,S43,S44		CDTV F S1				CDTV		CDTV F S1 S80,S8 1,S82, S83,S8 4,S85, S26			CDTV	CDTV S1		CDTV S87,S8 8,S89	CDTV F S1 S86			CDTV S118,S 119,S1 20,S12 1	

BMW V47.30 Diagnostics List (Note: For reference only)

MINI	2000 - 2008	R50/R52/R53		CDTV S1	CDTV S45,S46,S47,S48, S50,S51,S52,S53, S55,S56,S57,S66, S67,S68,S122,S12 3,S124,S125,S126, S127,S128,S129	CDTV S37,S38,S40, S41,S42,S13 0								CDTV S1 S131,S 132,S1 33				CDTV					CDTV				
	2006 - 2012	R55/R56	CDTVF S1,S2 S30,S31 ,S32		CDTVF S1 S45,S46,S47,S48, S49,S50,S51,S52, S53,S54,S55,S56, S57,S58,S59,S60, S61,S62,S63,S64, S65,S66,S67,S68, S69,S70,S71,S72, S73,S74,S75,S76, S77,S78,S170	CDTVF S33,S34,S35, S36,S37,S38, S39,S40,S41, S42,S43,S44								CDTV F S80,S8 1,S82, S83,S8 4,S85, S26				CDTV									
(*) :Tested;																											
(?) :Manual on website(www.x431.com)																											
Note:All description rights reserved by LAUNCH TECH.CO.,LTD																											

Functions Notes:

V VERSION INFORMATION
C DTC
D DATA Stream
T ACTIVATION TEST
F FREEZE FRAME

S1 RECODING
S2 CKM (Car Key Memory)

Maintenance / CBS Reset

S3 Engine Oil
S4 Microfilter
S5 Front barke
S6 Rear brake
S7 Vehicle check
S8 Spark plugs
S9 Brake fluid
S10 Coolant
S11 Vehicle inspection
S12 Exhaust emission inspection
S13 Diesel particle filter

Maintenance / CBS Correct

S14 Engine Oil
S15 Microfilter
S16 Front barke

BMW V47.30 Diagnostics List (Note: For reference only)

S17	Rear brake
S18	Vehicle check
S19	Spark plugs
S20	Brake fluid
S21	Coolant
S22	Vehicle inspection
S23	Exhaust emission inspection
S24	Diesel particle filter
S25	Delete transport mode
S26	Adjustment, Steering-angle sensor
S27	Key Test
S28	Display status of all keys
S29	Disable/Enable key
S30	Personalisation key number
S31	Enable/disable key
S32	Reset internal ELV fault counter
S33	Reset adaptation value
S34	Mechatronics adjustment
S35	Oil-level adjustment
S36	Reset learning functions
S37	Bleed hydraulic system
S38	Reduce hydraulic pressure
S39	Hydraulic pump activation test
S40	Teach in transmission
S41	Teach in clutch slip
S42	Reset clutch characteristic
S43	Teach in valve characteristic curve
S44	Clutch adaptation
S45	Idle speed adjustment
S46	Exhaust-gas recirculation adjustment
S47	Start basic injection quantity adjustment
S48	Injection rate
S49	DME/DDE - CAS adjustment
S50	Consumption calculation adjustment
S51	Injection rate adjustment
S52	Air flow rate sensor adaptation
S53	Mass middle value adaptation
S54	Reset variant
S55	Read measured value
S56	Bleeding, fuel system
S57	EOBD, readiness code
S58	Replace particle filter
S59	Particle filter regeneration
S60	Record battery replacement
S61	Evaluate battery charging status
S62	Adapt valvetronic limit position

BMW V47.30 Diagnostics List (Note: For reference only)

S63	Minimum stroke adjustment
S64	Remove valvetronic servo motor
S65	Tolerance test, middle position control lever
S66	Clear Adaptations
S67	CO adjustment
S68	OBD, readiness code
S69	Ventilation, cooling system
S70	Reset LVS value
S71	Tank leakage detection
S72	Engine automatic start/stop (MSA history, MSA function)
S73	Read AV memory
S74	Electronic fuel pump
S75	Fuel rail pressure regulating valve
S76	Turbo valve actuator
S77	Valvetronic adaptation limit position
S78	VANOS adaptation
S79	Startup/adjustment, activate front steering system
S80	Bleeding, DSC hydraulic system
S81	Mixture check, brake pipeline
S82	Run flat indicator initialization
S83	Longitudinal acceleration sensor matching
S84	DSC sensors check
S85	Lateral acceleration sensor adjustment
S86	End position teach-in
S87	Workshop braking-in
S88	Assembly mode
S89	Positioning-travel check
S90	Start startup
S91	Sensor value
S92	Check, ride-level sensors
S93	Delete energy saving mode
S94	Check, air supply system
S95	Check, compressor, relay
S96	Check, raise/lower function
S97	Start windows initialising
S98	Rear windows, initialising
S99	Rear windows, test
S100	Normalization of seat
S101	Coolant compressor
S102	Throttle motor
S103	ALBFA initialization
S104	Sunroof initialisation
S105	Alarm triggers
S106	Initialize rain sensor
S107	Initialising the power windows
S108	Initialize slide / tilt sunroof
S109	Delivery position
S110	Register battery replacement

BMW V47.30 Diagnostics List (Note: For reference only)

S111	Windows initialisation
S112	Test AM/FM
S113	Set tuner to New Zealand coding
S114	Heat unit malfunction
S115	Reset hip module
S116	General fault info
S117	Vertical ACC. Sensor adjustment
S118	System startup after control unit change
S119	Shock absorber adjustment
S120	Shock absorber performance
S121	Initial setting, switch-on state
S122	DME/DDE-EWS adjustment
S123	Smooth running measurement
S124	Tank Leakage System Check
S125	Secondary Air System Check
S126	Status Diagnosis Functions
S127	Program All Adjustments
S128	Operation On Roller Dynamometer
S129	Limitation delivery adjustment
S130	Clutch sensor function test
S131	TEST PROCEDURES
S132	BLEEDING THE ABS/ASC HYDRAULIC SYSTEM
S133	RESET ABS MOTOR RELAY CLOCK COUNTER
S134	Reset service interval indicator
S135	Battery management
S136	Fuel injector test
S137	Fuel injector adaptation
S138	Swirl flap
S139	Fuel pump
S140	Mean quantity
S141	EGR matching
S142	Smooth running control
S143	Throttle valve actuator
S144	Accelerator pedal module
S145	Brake bleeding procedure
S146	EMF workshop mode
S147	Steering wheel angle sensor adjustment
S148	Bedding-in procedure
S149	Initial operation
S150	Ride height adjustment
S151	Enable seat-occupancy mat, front passenger
S152	Throttle matching
S153	Tyre air pressure warning lamp reset
S154	Power windows initialisation
S155	Wake - up analysis
S156	Safety system (airbag): Coding data
S157	ALBBF initialization
S158	Initialisation, automatic tailgate actuation

BMW V47.30 Diagnostics List (Note: For reference only)

S159	Heating test run
S160	unlocking
S161	Teach in radio remote control
S162	Activate Bluetooth and emergency call
S163	Correct volume
S164	Initialized telematics services
S165	Log handset in and off
S166	Instrument cluster system test
S167	MOST ring, save configuration
S168	Rear-window roller blind
S169	Operational smoothness measurement
S170	Learning Valvetronic limit positions
S171	Flushing function
S172	Reset torque characteristic curve
S173	CAS reset
S174	Reset starter interlock
S175	lock airbag
S176	Motor-driven belt retractor, left
S177	Motor-driven belt retractor, right
S178	Rear front passenger side seat normalisation
S179	Initial operation, SWW sensor system
S180	Initialize FlexRay
S181	Activate radio module
S182	Instrument-cluster system test
S183	Restore delivery status
S184	Test function for map data
S185	Save configuration of MOST ring
S186	Rear driver's side seat normalisation
S187	Electric steering-column adjustment: Normalization
S188	Electric steering-column adjustment: Partial normalization
S189	Initialise power window drive
S190	Perform flap-motor calibration run
S191	Readdress flap motors
S192	Air conditioning compressor initial operation
S193	Drain/fill refrigerant circuit
S194	Seat adjustment normalisation, driver's side
S195	Ride height sensor check
S196	Check, compressor relay
S197	Evaluate battery charge state
S198	Consumption calculation adjustment
S199	Display, On-board Diagnosis readiness codes
S200	Fuel grade display
S201	Air mass flow sensor
S202	Glow elements
S203	Starting torque
S204	Register battery change
S205	Register starter exchange
S206	Electric fuel pump

BMW V47.30 Diagnostics List (Note: For reference only)

S207	Exhaust backpressure sensor before exhaust turbocharger
S208	Mean quantity adaptation
S209	Swirl flap actuator
S210	Regeneration, particulate filter
S211	Valvetronic running-in phase

[illegible]

[illegible]

			CDTV S1								CDTV S1,S2	CDTV S1																
		CDTV S1,S2								CDTV S97,S98,S 154,S155,S 156		CDTV S1 S151		CDTV	CDTV	CDTV	CDTV			CDTV	CDTV	CDTV	CDTV			CDTV	CDTV	
CDTV				CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV S106,S107		CDTV S175	CDTV S147					CDTV						CDTV S179				CDV
											CDTV	CDTV																
										CDTV S1 S97,S98		CDTV S1 S151																
			CDTV S1								CDTV S1,S2	CDTV S1																
CDTV	CDTV S149			CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV S106,S107		CDTV	CDTV S147					CDTV						CDTV				

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

												CDTV S1						CDTV S1														
				CDTV	CDTV	CDTV				CDTV	CDTV F	CDTV	CDTV	CDTV		CDTV	CDTV			CDTV S106		CDTV S112	CDTV		CDTV							
				CDTV	CDTV	CDTV				CDTV	CDTV F	CDTV	CDTV	CDTV		CDTV	CDTV			CDTV S106		CDTV S112	CDTV		CDTV							
			CDTV														CDTV		CDTV													
			CDTV														CDTV		CDTV													
			CDTV S1																													
			CDTV		CDTV	CDTV				CDTV S1	CDTV F S1		CDTV	CDTV			S1	CDTV S1,S2		CDTV S2 S106					CDTV							

[illegible]

[illegible]

[illegible]

				CDTV												CDTV S1,S2 S134	CDTV S1,S2				CDTV				CDTV				
		CDTV S1			CDTV	CDTV		CDTV S1			CDTV S157			CDTV S1	CDTV F S166		CDTV S1	CDTV S1		CDTV S113,S114, S115	CDTV S1	CDTV	CDTV	CDTV	CDTV		CDTV S1	CDTV S1	
CDTV S176	CDTV S177							CDTV S104	CDTV				CDTV	CDTV	CDTV		CDTV S182	CDTV			CDTV S183 S184 S185				CDTV	CDTV		CDTV S100	CDTV S100
																CDTV	CDTV									CDTV			
		CDTV S1					CDTV	CDTV S1 S104, S105				CDTV		CDTV	CDTV F S1		CDTV S1			CDTV S1 S113,S114, S115	CDTV S1			CDTV					
				CDTV												CDTV S1,S2 S134	CDTV S1,S2									CDTV S1,S2			
CDTV	CDTV							CDTV S104	CDTV				CDTV	CDTV	CDTV		CDTV				CDTV			CDTV	CDTV		CDTV S100	CDTV S100	

				CDTV												CDTV S1,S2 S134	CDTV S1,S2					CDTV			CDTV S1,S2		
		CDTV			CDTV	CDTV	CDTV	CDTV S104, S105				CDTV		CDTV	CDTV F		CDTV			CDTV S113,S114, S115,S167	CDTV			CDTV			
		CDTV			CDTV	CDTV	CDTV	CDTV S104, S105				CDTV		CDTV	CDTV F		CDTV			CDTV S113,S114, S115	CDTV			CDTV			
																CDTV	CDTV								CDTV		
																CDTV S134	CDTV								CDTV		
																CDTV									CDTV		
																CDTV S1,S2 S134	CDTV S1,S2				CDTV				CDTV S1,S2		
		CDTV S1					CDTV	CDTV S1 S104, S105				CDTV		CDTV	CDTV F S1		CDTV S1			CDTV S1 S113,S114, S115	CDTV S1			CDTV			

[illegible]







DSP	HKL / HKFM	STH	SMFA	SMBF	LM	LSZ / LCM	AHM	FRM	KBM	SMF	CID	FD	VDC	RFK	HKA	IHKA / IHKR	FKA	SHZH	NVK	CCC-A	GR	FGB	SES	NAJ	MID	BIT	AIC	VID	BM	PMA	VOCS
			CDTV S1,S2 S100	CDTV S100	S1		CDTV	CDTV S1,S2 S97,S98,S99			CDTV S1 S116					CDTV S1 S101, S102				CDTV											
			CDTV	CDTV S100			CDTV	CDTV S107 S189			CDTV	CDTV	CDTV			CDTV S190 S191 S192	CDTV													CDTV	
						CDTV										CDTV					CDTV				CDTV						
						CDTV										CDTV					CDTV				CDTV						
						CDTV S1,S2				CDTV S1,S2						CDTV S1,S2					CDTV S1					CDTV S1,S2	CDTV S1		CDTV		
	CDTV		CDTV S1,S2 S100	CDTV S100	S1		CDTV	CDTV S1,S2 S97,S98,S99			CDTV S1 S116	CDTV		CDTV		CDTV S1 S101, S102	CDTV			CDTV											
	CDTV		CDTV	CDTV S100			CDTV	CDTV S107			CDTV	CDTV	CDTV			CDTV	CDTV													CDTV	
						CDTV										CDTV					CDTV				CDTV						

						CDTV										CDTV					CDTV				CDTV							
CDTV S1		CDTV				CDTV S1,S2										CDTV S1,S2					CDTV S1		CDTV		CDTV	CDTV S1	CDTV S1	CDTV S1	CDTV			
	CDTV S158		CDTV S1 S100	CDTV S1 S100	CDTV S1,S2		CDTV S1		CDTV S2		CDTV S1 S116					CDTV S1,S2 S101, S102		CDTV S159,S 160	CDTV	CDTV												
	CDTV		CDTV	CDTV S100			CDTV	CDTV S107			CDTV	CDTV		CDTV		CDTV	CDTV															
	CDTV		CDTV	CDTV S100			CDTV	CDTV S107			CDTV	CDTV		CDTV		CDTV	CDTV													CDTV		
						CDTV										CDTV					CDTV				CDTV							
	CDTV		CDTV S1 S100	CDTV S1 S100	CDTV S1,S2		CDTV S1		CDTV S2		CDTV S1 S116					CDTV S1,S2 S101, S102		CDTV	CDTV	CDTV												
	CDTV		CDTV S194	CDTV S100 S194			CDTV	CDTV S107			CDTV	CDTV		CDTV		CDTV	CDTV													CDTV		
						CDTV										CDTV					CDTV				CDTV							
						CDTV										CDTV					CDTV				CDTV							

[illegible]

[illegible]

[illegible]

									CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV								S27,S28,S29
																		CDTV				S1	S2			S27,S28,S29
																						S1	S2	S3,S4,S5,S6,S7,S8,S9,S10,S11,S12,S13	S14,S15,S16,S17,S18,S19,S20,S21,S22,S23,S24	S25,S26
CDTV																								S3,S5,S6,S7,S9,S11,S12		
CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV																S3,S5,S6,S7,S9,S11,S12		
									CDTV		CDTV	CDTV			CDTV	CDTV	CDTV	CDTV	CDTV							S27,S28,S29
																						S1	S2	S3,S4,S5,S6,S7,S8,S9,S10,S11,S12,S13	S14,S15,S16,S17,S18,S19,S20,S21,S22,S23,S24	S25,S26
CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV																S3,S5,S6,S7,S9,S11,S12		
									CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV								S27,S28,S29
									CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV							S27,S28,S29
									CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV							S27,S28,S29

												CDTV						CDTV				S1	S2			S27,S28,S29
																					S1	S2	S3,S4,S5,S6,S7,S8,S9,S10,S11,S12,S13	S14,S15,S16,S17,S18,S19,S20,S21,S22,S23,S24	S25,S26	
CDTV S180		CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV																S3,S5,S6,S7,S9,S11,S12		
											CDTV	CDTV	CDTV		CDTV	CDTV	CDTV	CDTV	CDTV							S27,S28,S29
																					S1	S2	S3,S4,S5,S6,S7,S8,S9,S10,S11,S12,S13	S14,S15,S16,S17,S18,S19,S20,S21,S22,S23,S24	S25,S26	
																					S1	S2				S27,S28,S29
CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV	CDTV																S3,S5,S6,S7,S9,S11,S12		

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]









