VIN: **FW07663** Vehicle: **3' / E46 / COMP / 316ti / N42 / MANUAL / EUR LL / 2001 / 08**
System version: **2.37.8** Data version: **2.37.3**

Dealer

Tempus Bavaria s.r.o.
Dlhe hony 4893/5
058 01 Poprad
Slovenská republika

Order number: .....
Guide number: .....
Contact for queries: .....

Sales partner number: **25526**
Dealership number: **2**

ISTA order

ISPA Guid:	**04FW07663255260220130502072840**	System version:	**2.37.8**
TeleService ID:	**---**	Data version:	**2.37.3**
Order start:	**02/05/2013 07:28:42** (ISID, 50:50:54:50:30:30)		

Vehicle identification: VIN readout

Vehicle data:

Vehicle identification number:	**WBAAT51000FW07663**	Model code:	**AT51**	National-market version:	**EUR**
Brand:	**BMW PKW**	Sales designation:	**316ti**	Development code:	**E46**
Model series:	**3'**	Drive:	**REAR WHEEL**	Bodywork form:	**COMP**
Engine:	**N42**	Capacity:	**18**		
Steering:	**LL**	Gearbox:	**MANUAL**		
Model year:	**2001 / 08**	Total distance covered:	**83029 km**		
Integr. level (actual):	**---**	Integration level factory:	**---**		
ZCS:	**C1 6C3100005-C2 0000204020340420D-C3 000A640E21K**				

Diagnosis / warranty code

DIAGCODE	**D1214_B0000000_70_901**
DIAGCODE	**D1150_B0000000_01_001**
	Parts Clearing: No

Vehicle test (start of diagnosis) 07:30:22 - 07:30:56

Status	System	ECU variant
responding	GM - base module 5	zke5
responding	EWS - Electronic immobilizer 3	ews3
responding	LWS - Steering angle sensor	lws5_1b
responding	IHKR - Heating/air-conditioning regulation	ihkr46

responding	RAD - Radio	radio
responding	KOMBI - Instrument cluster	kombi46
responding	MRS - Multiple Restraint System	mrs4
responding	LSZ - Light switching centre	lsz
responding	AIC - Automatic Interval Control	aic
responding	ABS-DSC - Stability system MK60	dsc_mk60
responding	DME - Motor Electronics	me9k_ng4

Fault memory list

Code	Description
5E38	ABS-DSC: Rotation rate sensor
272A	DME: Multiplicative mixture adaptation, bank 1 - control limit 1 reached
279C	DME: Output stage, thermostat, map cooling
1	GM: Interior light, washer pump: fuse
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)
D7	KOMBI: Tank lever-type sensor 2
22	LSZ: Front load sensor, short circuit to negative
24	LSZ: Rear load sensor, short circuit to negative
1	LWS: Supply (terminal 30)

Control unit function - DME Motor Electronics 07:47:46 - 07:52:19

Action	Function	Result
IDENT_AIF	Type approval number (authority number)	7508180
	Calibration ID 2	7559544
	Part number, basic control module	7534798
	Kilometre reading/mileage during calibration	59400
	Executed programmings	5
	Program version	0087160H700B
	Programming date	19.06.2009
	Part number, programmed control unit	7559543
	Anzahl Ergebnis-Bloecke	1
	Chassis number	FW07663
IDENT	Production date (day, month, year)	20.07.2001
	Variant index	304
	BMW part number	7534798
	Anzahl Ergebnis-Bloecke	1
	Hardware number	1.0
	Coding index	12
	ECU-Variante	ME9K_NG4
	Supplier	Bosch
	Diagnosis index	15
STATUS_NWGADAPTION	Anzahl Ergebnis-Bloecke	1
	Adaptation, inlet camshaft to crankshaft [°cr]	117.6
STATUS_FASTA4	Anzahl Ergebnis-Bloecke	1

	Status, variable valve gear	0
STATUS_AUSGAENGE	Anzahl Ergebnis-Bloecke	1
	VANOS inlet, actual position [°cr.]	79.7
STATUS_FASTA5	Anzahl Ergebnis-Bloecke	1
	Variable valve lift	0.407
STATUS_FUNKTIONSSTATI	Anzahl Ergebnis-Bloecke	1
	Overrun cutoff	0
STATUS_FASTA5	Anzahl Ergebnis-Bloecke	1
	Operating mode	1
STATUS_MESSWERTE	Anzahl Ergebnis-Bloecke	1
	Vehicle speed	0
STATUS_LAUFUNRUHE	Anzahl Ergebnis-Bloecke	1
	Rough-running value, cylinder 1	0.6078564

Fault memory list 07:32:26 - 07:32:43

Code	Description
5E38	ABS-DSC: Rotation rate sensor
272A	DME: Multiplicative mixture adaptation, bank 1 - control limit 1 reached
279C	DME: Output stage, thermostat, map cooling
1	GM: Interior light, washer pump: fuse
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)
D7	KOMBI: Tank lever-type sensor 2
22	LSZ: Front load sensor, short circuit to negative
24	LSZ: Rear load sensor, short circuit to negative
1	LWS: Supply (terminal 30)

Fault memory list 07:35:16 - 07:35:37

Code	Description
5E38	ABS-DSC: Rotation rate sensor
272A	DME: Multiplicative mixture adaptation, bank 1 - control limit 1 reached
279C	DME: Output stage, thermostat, map cooling
1	GM: Interior light, washer pump: fuse
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)
D7	KOMBI: Tank lever-type sensor 2
22	LSZ: Front load sensor, short circuit to negative
24	LSZ: Rear load sensor, short circuit to negative
1	LWS: Supply (terminal 30)

Fault memory list 07:37:28 - 07:37:47

Code	Description
5E38	ABS-DSC: Rotation rate sensor
272A	DME: Multiplicative mixture adaptation, bank 1 - control limit 1 reached
279C	DME: Output stage, thermostat, map cooling
1	GM: Interior light, washer pump: fuse

7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)
D7	KOMBI: Tank lever-type sensor 2
22	LSZ: Front load sensor, short circuit to negative
24	LSZ: Rear load sensor, short circuit to negative
1	LWS: Supply (terminal 30)

Fault memory list 07:39:13 - 07:42:17

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 07:42:55 - 07:43:37

Code	Description
279C	DME: Output stage, thermostat, map cooling
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 07:52:22 - 07:52:26

Code	Description
279C	DME: Output stage, thermostat, map cooling
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Delete fault memory 07:39:15 - 07:40:09

Status	System	ECU variant
responding	GM - base module 5	zke5
responding	EWS - Electronic immobilizer 3	ews3
responding	LWS - Steering angle sensor	lws5_1b
responding	IHKR - Heating/air-conditioning regulation	ihkr46
responding	RAD - Radio	radio
responding	KOMBI - Instrument cluster	kombi46
responding	MRS - Multiple Restraint System	mrs4
responding	LSZ - Light switching centre	lsz
responding	AIC - Automatic Interval Control	aic
responding	ABS-DSC - Stability system MK60	dsc_mk60
responding	DME - Motor Electronics	me9k_ng4

Fault memory list (delete fault memory)

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Test plan (start of diagnosis)

Identifier	Title, Documents, Symptoms,	Status
	Fuel gauge	
ABL-DIT-B9999_99999	B9999_99999 - Standard test module, notes	Not called
ABL-DIT-B6213_00005	B6213_00005 - Fuel gauge	Not called
	KOMBI: Tank lever-type sensor 2	

	Siren	
ABL-DIT-B6575_00005	**B6575_00005 - Alarm system: Emergency power siren** GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)	Not called
	Washer pump	
ABL-DIT-B6160_00005	**B6160_00005 - Washer pump** GM: Interior light, washer pump: fuse	Not called
	Consumer shutdown	
ABL-DIT-B6330_00004	**B6330_00004 - Interior lights and consumer shutdown** GM: Interior light, washer pump: fuse	Not called
	Interior lights, front	
ABL-DIT-B6330_00002	**B6330_00002 - Interior lights** GM: Interior light, washer pump: fuse	Not called
	Characteristic map thermostat	
ABL-DIT-B1214_NGKFK	**B1214_NGKFK - Characteristic map thermostat** DME: Output stage, thermostat, map cooling	Not called
	rate of rotation sensor	
ABL-DIT-B3450_05E38	**B3450_05E38 - Angular rate sensor** ABS-DSC: Rotation rate sensor	Not called
	Mixture adaptation, bank 1	
ABL-DIT-B1214_NGFRA1	**B1214_NGFRA1 - Mixture adaptation** DME: Multiplicative mixture adaptation, bank 1 - control limit 1 reached	Not called
	Steering-angle sensor, supply	
ABL-DIT-B3714_00001	**B3714_00001 - Supply, steering angle sensor** LWS: Supply (terminal 30)	Not called

Procedure	07:32:58 - 07:33:47
B1214_NGFRA1 - Mixture adaptation	**Performed**
Output	**Result**

Start

Meldung_01_s

Fault code memory being read...

Fehlerspeicher_Lesen_01_s

Fehlerspeicher_Lesen_06_s

Meldung_14_s

A fault has occurred in the tested function.
Fuel mixture adaptation, cylinder bank 1 multiplicative.

Mixture too lean in partial load range.

Check following possible causes of faults:
- Fuel properties
- Fuel pressure too low

- Fuel injector does not open far enough
- HFM soiled or defective

Fault is currently not applicable

End test module with feedback

Massnahme_34_s

Feedback

Which cause of fault was determined?
Enter number in entry box.

[1] Leak in intake area
[2] Leak in exhaust system
[3] Fuel system defective
[4] Fuel injectors defective
[5] HFM defective
[6] Oxygen sensor before catalytic converter defective

7

[7] No fault found

No fault found D1214_B0000000_70_901

D1214_B0000000_70_901 - There is no allocation in the FRU item table for this diagnosis code

PostActions

End of test module. Continue in testing schedule.

Procedure 07:33:56 - 07:35:08

B1214_NGKFK - Characteristic map thermostat **Cancelled**

Output **Result**

Start

G0000_000010

Predefined process 07:33:57 - 07:33:59

G0000_00001 - Determining vehicle basic features using vehicle communication **Performed**

Output **Result**

Start

SG_Ermittlung_s

Pruefung_EWS_s

Pruefung_ZCS_s

Daten_Ermitteln_s

PostActions

Predefined process end

Warten_s

Fault code memory being read...

Abfrage_KFT_s

Is a characteristic map thermostat installed? Yes

FS_Lesen_02_s

Messung_Leitung_08_s

Y6279 Thermostat characteristic map cooling
A fault code is stored for the tested assembly.

Open circuit

Please adjust the following statuses on the vehicle:

- Switch off terminal 15 and terminal R.

Y6279 Thermostat characteristic map cooling
Check correct connection of plug connectors and lines.

If OK, continue troubleshooting as follows:

Disconnect plug connector from following component:
Y6279 Thermostat characteristic map cooling

Procedure 07:36:03 - 07:37:19

B1214_NGAWZS - Deleting engine adaptation values Cancelled

Output Result

Start

MOTORIDENT0

Predefined process 07:36:04 - 07:36:17

MOTORIDENT - Identification of new generation engines Performed

Output Result

Start

Identifikation_s

PostActions

Predefined process end

Meldung_01_s

Please adjust the following statuses on the vehicle:

- Switch on terminal 15 (ignition)

The adaptation values can be reset in the next test step.1 Reset all adaptation values
2 End 1

Procedure 07:37:53 - 07:39:09

B1214_NGAWZS - Deleting engine adaptation values Performed

Output Result

Start

MOTORIDENT0

Predefined process 07:37:53 - 07:37:56

MOTORIDENT - Identification of new generation engines **Performed**

Output **Result**

Start

Identifikation_s

PostActions

Predefined process end

Meldung_01_s

The adaptation values can be reset in the next test step.1 Reset all adaptation values
2 End 1

Adaptation values were reset.

Switch off terminal 15 and terminal R

Wait 20 seconds until the new adaptation values are stored in the DME.

Switch on terminal 15

PostActions

Service function finished

Procedure **07:43:42 - 07:47:39**

B1214_NGKFK - Characteristic map thermostat **Performed**

Output **Result**

Start

G0000_000010

Predefined process **07:43:43 - 07:43:44**

G0000_00001 - Determining vehicle basic features using vehicle communication **Performed**

Output **Result**

Start

SG_Ermittlung_s

Pruefung_EWS_s

Pruefung_ZCS_s

Daten_Ermitteln_s

PostActions

Predefined process end

Warten_s

Fault code memory being read...

Abfrage_KFT_s

Is a characteristic map thermostat installed? No

A characteristic map thermostat was detected by mistake. Therefore, the entered fault code cannot be deleted.

Press right arrow key to continue

Remedy:
- Delete the learned variants
- The DME then immediately and automatically learns the variants/control units
- The fault code memory can be completely cleared again

Press right arrow key to continue

Attention:
All existing variants/control units must be detected while - learning variants -. Otherwise they will not be learned and the function will not be available.

Press right arrow key to continue

If installed, the following variants can be learned:
- Multifunction steering wheel
- Air conditioning system
- Automatic gearbox
- ASC or DSC
- Characteristic map thermostat

No fault codes must be stored here!

Press right arrow key to continue

Do you wish to delete the learned variants? Yes

Check of action:
- Clear DME fault code memory
- Perform quick test and check whether all installed variants/control units were detected

End test module with right arrow key

PostActions

End of test module. Continue in testing schedule.

Procedure 07:52:29 - 08:44:43

B1214_NGKFK - Characteristic map thermostat **Cancelled**

Output **Result**

Start

G0000_000010

Predefined process 07:52:30 - 07:52:32

G0000_00001 - Determining vehicle basic features using vehicle communication **Performed**

Output **Result**

Start

SG_Ermittlung_s

Pruefung_EWS_s

Pruefung_ZCS_s

Daten_Ermitteln_s

PostActions

Predefined process end

Warten_s

Fault code memory being read...

Abfrage_KFT_s

Test plan (end of diagnosis)

Identifier	Title, Documents, Symptoms,	Status
	Siren	
ABL-DIT-B6575_00005	**B6575_00005 - Alarm system: Emergency power siren** GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)	Not called
	Characteristic map thermostat	
ABL-DIT-B1214_NGKFK	**B1214_NGKFK - Characteristic map thermostat** DME: Output stage, thermostat, map cooling	Cancelled

Vehicle test (end of diagnosis) 07:42:21 - 07:42:42

Status	System	ECU variant
responding	GM - base module 5	zke5
responding	EWS - Electronic immobilizer 3	ews3
responding	LWS - Steering angle sensor	lws5_1b
responding	IHKR - Heating/air-conditioning regulation	ihkr46
responding	RAD - Radio	radio
responding	KOMBI - Instrument cluster	kombi46
responding	MRS - Multiple Restraint System	mrs4
responding	LSZ - Light switching centre	lsz
responding	AIC - Automatic Interval Control	aic
responding	ABS-DSC - Stability system MK60	dsc_mk60
responding	DME - Motor Electronics	me9k_ng4

Fault memory list

Code	Description
279C	DME: Output stage, thermostat, map cooling
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Documents

Identifier	Title
FUB-FUB-HEL0498FB1214_M0GAB	Mixture induction
SSP-SSP-SP0000015115	Thermostat
FUB-FUB-HEL0498FB1214_M0KFK	Map cooling
FUB-FUB-HEL0498FB1214_0AWZS	Adaptations and equipment variations
FUB-FUB-HEL0498FB1214_0AWZS	Adaptations and equipment variations
SSP-SSP-SP0000015115	Thermostat
FUB-FUB-HEL0498FB1214_M0KFK	Map cooling
SSP-SSP-SP0000015115	Thermostat
EBO-EBO-E46_EB6279C	B6279, X6279
SSP-SSP-SP0000015115	Thermostat

EBO-EBO-E46_EA8680G	A8680, X8680
SSP-SSP-SP0000015115	Thermostat
FUB-FUB-HEL0498FB1214_M0KFK	Map cooling

Order interruption: 02/05/2013 08:44:52
Order resumption: 09/05/2013 12:08:17 (ISID, 50:50:54:50:30:30)

Vehicle test (start of diagnosis) 12:37:39 - 12:38:24

Status	System	ECU variant
responding	GM - base module 5	zke5
responding	EWS - Electronic immobilizer 3	ews3
responding	LWS - Steering angle sensor	lws5_1b
responding	IHKR - Heating/air-conditioning regulation	ihkr46
responding	RAD - Radio	radio
responding	KOMBI - Instrument cluster	kombi46
responding	MRS - Multiple Restraint System	mrs4
responding	LSZ - Light switching centre	lsz
responding	AIC - Automatic Interval Control	aic
responding	ABS-DSC - Stability system MK60	dsc_mk60
responding	DME - Motor Electronics	me9k_ng4

Fault memory list

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 12:09:40 - 12:09:58

Code	Description
279C	DME: Output stage, thermostat, map cooling
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 12:15:59 - 12:34:14

Code	Description
279C	DME: Output stage, thermostat, map cooling
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 12:34:19 - 12:37:32

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 12:39:36 - 12:39:41

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Fault memory list 12:40:11 - 12:40:13

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Delete fault memory 12:34:20 - 12:35:09

Status	System	ECU variant
responding	GM - base module 5	zke5
responding	EWS - Electronic immobilizer 3	ews3
responding	LWS - Steering angle sensor	lws5_1b
responding	IHKR - Heating/air-conditioning regulation	ihkr46
responding	RAD - Radio	radio
responding	KOMBI - Instrument cluster	kombi46
responding	MRS - Multiple Restraint System	mrs4
responding	LSZ - Light switching centre	lsz
responding	AIC - Automatic Interval Control	aic
responding	ABS-DSC - Stability system MK60	dsc_mk60
responding	DME - Motor Electronics	me9k_ng4

Fault memory list (delete fault memory)

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Test plan (start of diagnosis)

Identifier	Title, Documents, Symptoms,	Status
	Siren	
ABL-DIT-B6575_00005	B6575_00005 - Alarm system: Emergency power siren GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)	Not called
	Characteristic map thermostat	
ABL-DIT-B1214_NGKFK	B1214_NGKFK - Characteristic map thermostat DME: Output stage, thermostat, map cooling	Cancelled

Procedure 12:10:09 - 12:15:55

B1214_NGKFK - Characteristic map thermostat **Performed**

Output	Result
Start	
G0000_000010	

Predefined process 12:10:18 - 12:10:20

G0000_00001 - Determining vehicle basic features using vehicle communication **Performed**

Output	Result
Start	
SG_Ermittlung_s	
Pruefung_EWS_s	
Pruefung_ZCS_s	
Daten_Ermitteln_s	

PostActions

Predefined process end

Warten_s

Fault code memory being read...

Abfrage_KFT_s

Is a characteristic map thermostat installed? Yes

FS_Lesen_02_s

Messung_Leitung_08_s

Y6279 Thermostat characteristic map cooling
A fault code is stored for the tested assembly.

Fault is currently not applicable

Check following possible causes of faults:

- Open circuit
S_KFK Characteristic map cooling
- Fuse defective
- Voltage supply defective
- Y6279 Thermostat characteristic map cooling defective

Massnahme_33_s

Feedback

Which cause of fault was determined?1 Lines or plug connections defective
2 Characteristic map thermostat defective
3 Radiator defective
4 Engine cooling circuit temperature sensor defective
5 Control unit defective
6 No fault found
2

Replace the following component:
- Characteristic map thermostat D1150_B0000000_01_001

PostActions

End of test module. Continue in testing schedule.

Test plan (end of diagnosis)

Identifier	Title, Documents, Symptoms,	Status
	Siren	
ABL-DIT-B6575_00005	**B6575_00005 - Alarm system: Emergency power siren** GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)	Not called
	Characteristic map thermostat	
ABL-DIT-B1214_NGKFK	**B1214_NGKFK - Characteristic map thermostat** DME: Output stage, thermostat, map cooling	Performed

Vehicle test (end of diagnosis) 12:39:44 - 12:40:06

Status	System	ECU variant
responding	GM - base module 5	zke5
responding	EWS - Electronic immobilizer 3	ews3
responding	LWS - Steering angle sensor	lws5_1b
responding	IHKR - Heating/air-conditioning regulation	ihkr46
responding	RAD - Radio	radio
responding	KOMBI - Instrument cluster	kombi46
responding	MRS - Multiple Restraint System	mrs4
responding	LSZ - Light switching centre	lsz
responding	AIC - Automatic Interval Control	aic
responding	ABS-DSC - Stability system MK60	dsc_mk60
responding	DME - Motor Electronics	me9k_ng4

Fault memory list

Code	Description
7	GM: Signal STDWA (only relevant if an anti-theft alarm is fitted)

Documents

Identifier	Title
SSP-SSP-SP0000015115	Thermostat
FUB-FUB-HEL0498FB1214_M0KFK	Map cooling
SSP-SSP-SP0000015115	Thermostat
EBO-EBO-E46_EB6279C	B6279, X6279

Order interruption: 09/05/2013 12:40:20

Order resumption: 23/05/2013 07:06:44 (ISID, 50:50:54:50:30:30)

Comment:

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