

This is the ISTA coolant bleed process.

The screenshot displays the ISTA (InSight Test Assistant) software interface for a vehicle with VIN C365307. The 'Vehicle management' tab is active, showing a control unit tree. A blue arrow points to this tab. The tree includes the following control units:

- KBM
- CAS
- KOMBI
- IHKA
- SZM
- RDC
- SHD
- SMFA
- SMBF
- RLS
- DWA
- SINE
- CHAMP-BO
- CHAMP-GW
- TCU
- SDARS
- ULF-SBX-H
- KGM
- ACSM-MRS
- CON
- CID
- LM
- DSC
- DME
- SZL
- GWS
- EGS
- EKPS

At the bottom, a legend indicates fault memory status for different CAN buses:

- K-CAN (blue line)
- MOST (red line)
- F-CAN (red line)
- PT-CAN (black line)

Legend items:

- Ecu without fault memory
- Ecu with fault memory
- Ecu not responding
- Ecu with programming abort

Buttons at the bottom include 'Start vehicle test', 'Call up ECU from memory', and 'Display fault memory'. The Windows taskbar at the bottom shows the time as 1:56 PM on 2/19/2021.

Vehicle 5/E60/SEDAN/528i/N52/AUTO/US/LL/2009/09

KL 15: -- KL 30: --

Operations Vehicle information Vehicle management Service plan Favourites Workshop/Operating fluids Measuring devices

Repair/Maintenance Troubleshooting Service functions Software update Control Unit Replacement Vehicle modification

Product Structure Text Search

Main groups

- 0 Maintenance and general data
- 11 Engine
- 12 Engine electrical system
- 13 fuel system
- 16 Fuel supply
- 17 cooling system
- 18 Exhaust system
- 21 clutch
- 22 Engine and gearbox suspension
- 23 Manual transmission
- 24 Automatic transmission
- 25 Gearshift

Selected structure elements

Hits: Filter: Default

Undo all Undo Filters

Page 1 of 1 0 words

Type here to search

1:57 PM 2/19/2021

Vehicle 5/E60/SEDAN/528i/N52/AUTO/US/LL/2009/09

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Service Functions

Layer 0

- Power train
- Chassis and suspension
- Body
- Maintenance and pre-delivery check
- Vehicle information
- BMW Group Mobile Service

Selected structure elements

Hits: Filter: Default

Undo all Undo Filters

Page 1 of 2 0 words

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1:58 PM 2/19/2021

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FILE HOME INSERT

WIN C365307 Vehicle 5/E60/SEDAN/528/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
Repair/ Maintenance	Troubleshooting	Service functions	Software update	Control Unit Replacement	Vehicle modification	

Service Functions

Layer 1	Selected structure elements
Activating the suction jet pump transfer function	Layer 1: Power train
CAS	
Engine electronics	
Transmission control	

Activate Windows  
Go to Settings to activate Windows.

PAGE 2 OF 2 0 WORDS Hits: Filter: Default

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1:59 PM 2/19/2021

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WIN C365307 Vehicle 5/E60/SEDAN/528/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
Repair/ Maintenance	Troubleshooting	Service functions	Software update	Control Unit Replacement	Vehicle modification	

Service Functions

Layer 2	Selected structure elements
Adjustment functions	Layer 1: Power train
Cooling system	Layer 2: Engine electronics
Fuel grade	
OBD Readiness Codes	
Test runs	

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PAGE 2 OF 3 0 WORDS Hits: Filter: Default

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2:00 PM 2/19/2021

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ISTA+

VIN C365307 Vehicle 5/E60/SEDAN/528i/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
Repair/ Maintenance	Troubleshooting	Service functions	Software update	Control Unit Replacement	Vehicle modification	

Service Functions

**Layer 3**

Ventilation, cooling system

**Selected structure elements**

Layer 1:  
Power train  
Layer 2:  
Engine electronics  
Layer 3:  
Cooling system

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PAGE 3 OF 3 0 WORDS Hits: Filter: Default

ISTA+

VIN C365307 Vehicle 5/E60/SEDAN/528i/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

Operations	Vehicle information	Vehicle management	Service plan	Favourites	Workshop/ Operating fluids	Measuring devices
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Service Functions

**Layer 4**

Ventilation, cooling system

**Selected structure elements**

Layer 1:  
Power train  
Layer 2:  
Engine electronics  
Layer 3:  
Cooling system  
Layer 4:  
Ventilation, cooling system

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PAGE 3 OF 4 0 WORDS Hits: Filter: Default

ISTA+ VIN C365307 Vehicle 5/E60/SEDAN/528I/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

Operations Vehicle information Vehicle management Service plan Favourites Workshop/Operating fluids Measuring devices

Hit list Test plan Programming plan

Flat Rate No	Type	Title	State
Ventilation, cooling system			
ABL		Cooling system ventilation	
FUB		Electric coolant pump	

Hits: 2 / 2 Filter: Default  not called  performed  minimized  canceled  suspected

Page 4 of 4 0 words

ISTA+ VIN C365307 Vehicle 5/E60/SEDAN/528I/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

Operations Vehicle information Vehicle management Service plan Favourites Workshop/Operating fluids Measuring devices

Hit list Test plan Programming plan

Flat Rate No	Type	Title	State
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ABL		Cooling system ventilation	
FUB		Electric coolant pump	

Hits: 2 / 2 Filter: Default  not called  performed  minimized  canceled  suspected

Page 4 of 5 0 words

VIN C365307    Vehicle 5/E60/SEDAN/528i/N52/AUTO/US/LL/2009/09    KL 15: --    KL 30: --

Operations    Vehicle information    Vehicle management    Service plan    Favourites    Workshop/ Operating fluids    Measuring devices

Hit list    Test plan    Programming plan

Flat Rate No	Type	Title	State
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Hits: 2 / 2    Filter: Default    not called    performed    minimized    canceled    suspected

Back    Filters    Show completely    Display

ISTA+    VIN C365307    Vehicle 5/E60/SEDAN/528i/N52/AUTO/US/LL/2009/09    KL 15: --    KL 30: --

ABL-DIT-B1214\_NG6KME - Cooling system ventilation

Procedure	Functional Description
<ol style="list-style-type: none"> <li>1. Switch on ignition.</li> <li>2. Switch on low-beam headlight (preventing vehicle from going to sleep)</li> <li>3. Both temperature selectors set to maximum</li> <li>4. Press AUTO button of air conditioning system Important! Not applicable for E90</li> <li>5. Blower output to minimum (do not switch off completely!)</li> <li>6. Fully depress the accelerator pedal for 10 seconds</li> </ol> <p><b>Do not start engine!</b> Bleeding of the cooling system is not activated. Continue immediately after 5.</p>	Functional description, see Vehicle Technology Diagnosis (VTD): <a href="#">110304085</a>

Hit next

ISTA+ VIN C365307 Vehicle 5/E60/SEDAN/528/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

ABL-DIT-B1214\_NG6KME - Cooling system ventilation

Procedure	Functional Description
<p>The bleeding procedure takes about 12 minutes</p> <p>Current coolant pump speed: 224.0rpm</p> <p>Remaining time: 4 min 42 s</p> <p>Press Next to terminate</p>	<p>Functional description, see Vehicle Technology Diagnosis (VTD): <a href="#">110304085</a></p>

Activate Windows  
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PAGE 6 OF 7 0 WORDS

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2/19/2021

ISTA+ VIN C365307 Vehicle 5/E60/SEDAN/528/N52/AUTO/US/LL/2009/09 KL 15: -- KL 30: --

ABL-DIT-B1214\_NG6KME - Cooling system ventilation

Procedure	Functional Description
<p>Service function finished</p>	<p>Functional description, see Vehicle Technology Diagnosis (VTD): <a href="#">110304085</a></p>

Activate Windows  
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2/19/2021

