



NO COOLING INTERMITTENTLY FROM VENTS

MODEL

G12 (7 Series)	G30 (5 Series)	G32 (6 Series)	F90 (M5)
----------------	----------------	----------------	----------

SITUATION

After a long journey (more than 30 minutes), the customer notices the cooling power is too low or non-existent. Air exiting the vents is intermittently reduced although the blower setting remains the same.

The fault can occur under the following conditions:

- Air Conditioning switched ON
- At lower blower speeds
- Temperature setting is set lower than 68 degrees Fahrenheit
- Outside temperature is greater than 68 degrees Fahrenheit
- Journey time of at least 30 minutes

CAUSE

Evaporator icing up

CORRECTION

Reprogram vehicle

PROCEDURE

1. Perform diagnosis with the latest version of ISTA, working through test module, if needed.

2. Is the vehicle Integration Level lower than **S15A-18-11-523**?

Yes-proceed to Step 3

No- No programming is needed, using ISTA work through test modules to diagnose vehicle.

3. Program the vehicle using ISTA 4.14.1x or higher.

Model	Target integration level
G12, G30, G32, F90	S15A-18-11-523 or higher

Note that ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW-approved battery charger/power supply (SI [B04 23 10](#)).

For information on programming and coding with ISTA, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	6400315900	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to AIR/KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR/KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR/KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as Charging battery)
And:		
61 00 730	Refer to AIR/KSD2	Programming/encoding control unit(s)

And, additionally for the:

e-Vehicles

Labor Operation:	Labor Allowance:	Description:
61 25 910	Refer to AIR/KSD2	Recharging high-voltage battery unit (to high voltage charging socket)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

Refer to AIR/KSD2 for the corresponding flat rate unit (FRU) allowances.

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

Programming and Encoding - Vehicle Control Units

A. The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more control module failures occur "during" this programming procedure:

- Please claim this "consequential" control module-related repair work under the defect code listed in this

bulletin with the applicable AIR/KSD2 labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section.

B. For control module failures that occurred “prior” to performing this programming procedure:

- When “covered” under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in AIR/KSD2.

[Copyright ©2019 BMW of North America, Inc.]