



BUZZING NOISE FROM VALVETRONIC MOTOR BEFORE OR AFTER ENGINE OPERATION

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F31 (3 Series Sport Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)
F48 (X1 sDrive 28i or xDrive 28i)	G30 (5 Series Sedan)		

With the B46O engine equipped.

SITUATION

Buzzing noise may be heard from the Valvetronic motor when the vehicle is unlocked, before the engine is started, or after the engine is turned off.

There are no related faults saved in fault code memory.

CAUSE

Software in the Digital Motor Electronics (DME) may cause the Valvetronic motor to shudder at the end stop position.

CORRECTION

Reprogram the vehicle with latest version of ISTA Next

If the vehicle I-level is on a higher software level, perform diagnostics with ISTA Next.

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA Next.
2. Program the vehicle with ISTA Next to the appropriate I-level shown below.

Model	Target Integration Level
F48 (X1 sDrive 28i or xDrive 28i)	F056-17-07-502 or higher

Model	Target Integration Level
F30 (3 Series Sedan)	F020-17-07-502 or higher
F31 (3 Series Sport Wagon)	

F32 (4 Series Coupe)
F33 (4 Series Convertible)
F36 (4 Series Gran Coupe)

Model	Target Integration Level
G30 (5 Series Sedan)	S15A-17-07-505 or higher

Note that ISTA Next 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 (SIB04 23 10).

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

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	1137093700	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as Charging battery)
And:		
61 00 730	Refer to KSD2	Program/encode control unit(s)

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 KSD2/AIR 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.

Vehicle Programming and Encoding

- 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 KSD2/AIR labor operations.
- 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 in KSD2/AIR.

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