



SI B31 02 19  
Front Axle

March 2019  
Technical Service

## TAPPING AND/OR THUMPING NOISES FROM THE FRONT END

### MODEL

G20 (3 Series Sedan)	G29 (Z4 Roadster)		
Produced from 11/10/2018 to 02/28/19	And option SA2VF Electronic Damper Control (EDC)		

### SITUATION

Tapping and/or thumping noises from the front end at approx. 10-15 MPH while driving on a rough road surface.

### CAUSE

Unfavorable damper control of the EDC shock absorbers

### CORRECTION

Program the vehicle to I level S18A-19-03-522 or a higher version with ISTA 4.16.1x.

### PROCEDURE

1. Read out the I-Level of the vehicle.

**Is the current I-Level S18A-19-03-522 or higher?**

**Yes** – Continue diagnosis of noise complaint

**No** – Go to the next step

2. Program the vehicle to I level S18A-19-03-522 with ISTA 4.16.1x or a higher version.

Model	Target I-level
G20	<b>S18A-19-03-522</b> or higher
G29	<b>S18A-19-03-522</b> 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**([SI B04 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.

<b>Defect Code:</b>	<b>3715001400</b>	<b>Vertical Dynamics Management control unit VDM (ICM-V) /</b>
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		<b>vertical dynamic platform VDP occasional malfunction</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)
Or		
00 00 056	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)
And		
61 21 528	Refer to AIR	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)
And		
61 00 730	Refer to AIR	Programming/encoding 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 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.

### **Programming and Encoding - Vehicle Control Units**

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:

- A. Please claim this consequential control module-related repair work under the defect code listed in this bulletin with the applicable AIR labor operations.

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

For control module failures that occurred prior to performing this programming procedure; and/or

- B. Other work/repairs that results from performing ISTA diagnostics and the related test plans:

- 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.

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