



SI B18 01 18
Exhaust Systems

March 2018
Technical Service

DIAGNOSING NOISE FROM THE REAR EXHAUST FLAP (B58)

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F32 (4 Series Coupe)
F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)	

With the B58 engine.

SITUATION

There is a rattling noise from the rear exhaust flap during initial start-up. The rattle could last up to sixty seconds.

CAUSE

1. DME software application error (I-level is lower than F020-17-11-540) may cause the flap to stay in an undefined position which will cause it to rattle.
2. Loose or failed fixing bow (clip that connects the exhaust flap actuator to the exhaust flap)
3. Excessive play in the pivot bushing of the exhaust flap.

CORRECTION

Check the exhaust flap on cold start. The exhaust flap will remain closed for 30 – 60 seconds for catalyst warm up.

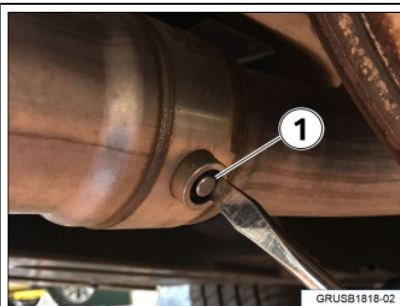
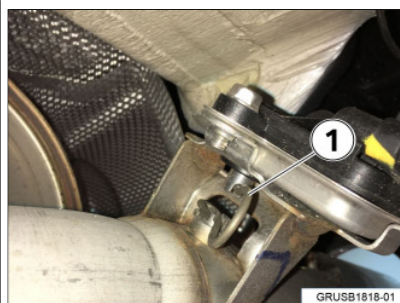
1. If the flap does not fully close during this warm up phase – Reprogram the DME to F020-17-11-540 or higher.

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.

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| | <ol style="list-style-type: none"> 2. If the fixing bow (1) is loose or damaged or missing – Replace the fixing bow. |
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3. If the flap is operating as designed (closes fully and fixing bow is installed), apply pressure to the bushing of the flap. If the rattle goes away, replace the rear muffler with exhaust flap. **NOTE:** If the flap is rattling due to the software error, the rattle will also go away when applying pressure to the bushing. Check for the software issue first before diagnosing the bushing and replacing the rear muffler.

PARTS INFORMATION

Refer to ETK

WARRANTY INFORMATION

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

Defect Code:	1812033900	
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Diagnosis (as needed)

Labor Operation:	Labor Allowance:	Description:
18 99 000	Work time (WT)	Work time to check the exhaust flap as described in this bulletin. Claim in conjunction with one of the applicable repairs performed from the list below (Vehicle is already in the workshop)

Work time labor operation code 18 99 000 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

Note: Only one main labor operation can be claimed per repair visit. All other labor operations on the same line or other lines must be claimed using plus code labor operations.

Vehicle Programming and Encoding (Vehicles below F020-17-11-540)

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	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 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.

- 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.

And/or:

Replacing the fixing bow

All except the F30

Labor Operation:	Labor Allowance:	Description:
18 12 081	Refer to KSD2	Replacing exhaust flap actuator drive (Main work)
Or:		
18 12 581	Refer to KSD2	Replacing exhaust flap actuator drive (Plus work)

If you are using a Main labor code for another repair, use the Plus code labor operation 18 12 581 instead of 18 12 081.

For the F30 only (Temporary Procedure)

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Labor Operation:	Labor Allowance:	Description:
18 00 008	6 FRU	Work time for replacing exhaust flap actuator drive (Main work)
Or:		
18 00 008	4 FRU	Work time for replacing exhaust flap actuator drive (Plus work)

Flat rate labor operation codes 18 12 081 and 18 12 581 will be available for the F30 in a near-term future release of the KSD2. Once these labor codes become available, please use on that applies in place of work time operation 18 00 008.

Or:

Replacing the rear muffler

Labor Operation:	Labor Allowance:	Description:
18 12 031	Refer to KSD2	Replacing the rear silencer (Main work)
Or:		
18 12 531	Refer to KSD2	Replacing the rear silencer (Plus work)

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