



BUZZING OR CLICKING NOISE FROM THE SCR TRANSFER PUMP

MODEL

F10 (5 Series Sedan 535d)	
With the N57T diesel engine	

SITUATION

There is a buzzing or clicking noise coming from under the car that can be heard from the passenger compartment when the engine is at idle.

CAUSE

Normal operation of the SCR transfer pump delivering diesel exhaust fluid (DEF) from the passive to active tank.

CORRECTION

A new transfer pump operating strategy has been developed, changing when the transfer pump comes on. After programming, the transfer pump will operate with vehicle speeds @25 km/h and engine speeds greater than 1,500 rpm.

PROCEDURE

1. Before programming, check for any faults stored in the SCR system and work through all applicable test plans.
2. Check the DEF feed and fill lines at the transfer pump for any restrictions (collapsed or kinked) that would cause a cavitation noise from the transfer pump when operating.
3. Program and code the complete vehicle with ISTA/P 3.59.1 or ISTA 4.01.22 or higher to the following integration level.

F10	Target integration level: F010 16-07-502 or higher
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Note that ISTA/P 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/P, refer to Centernet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

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:	1619033900	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery")
And, if applicable:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And, as necessary		
16 99 000	Work time (WT)	Work time to check the DEF feed and fill lines at the transfer pump for restrictions
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.

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

Work time labor operation codes 61 00 006 and 16 99 000 are not considered a Main labor operations; however, they do require an individual punch times and explanations on the repair order and in the claim comments.

Vehicle Programming and Coding

When ISTA/P automatically reprograms and codes all the vehicle control modules that currently do not have the latest software and control module failures occurred during this programming:

- Please claim these consequential control module repair work under the defect code listed in this bulletin with the applicable KSD2 labor operations.

Other Repairs

Control module failures that occurred prior to this programming and/or additional work that is performed as a result of performing the ISTA diagnostics, related test plans and/or after inspecting the DEF feed and fill lines:

- When covered under an applicable limited warranty, claim the control module and/or other repairs using the applicable defect code and labor operations in KSD2.

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