

Vibrations/humming noises in engine speed range of 1300 to 2100 rpm

E46 / 330dA, 330XdAE39 / 530dAE53 / X5 3.0dA

Complaint:

1. **(530dA and X5 3.0dA)**
Strong vibrations (washboard effect) and/or loud humming noise in 4th and 5th gear in engine speed range of 1300 to 2000 rpm when driving under light load, especially in 5th gear in road speed range of 100 to 130 km/h.
2. **(330dA and 330XdA)**
 - Humming noises/vibrations in 4th and/or in 5th gear during constant-speed travel or under a light load in engine speed range of 1600 to 2100 rpm.
 - Brief humming noise when the converter clutch starts to operate and/or when the converter clutch ceases to operate at approximately 1700 rpm in 5th gear.

Cause:In case of complaint 1:

- a) **530dA**
(Manufacturing period June 1999 to August 2000)
Coefficient of friction deterioration on the friction plate of the converter clutch
- b) **530dA**
(Manufacturing period September 2000 to August 2003)
Transmission tuning
- c) **X5 3.0dA**
(Manufacturing period October 2001 to September 2003)
Transmission tuning

In case of complaint 2:

330dA and 330XdA
(Manufacturing period September 2000 to February 2003)
Transmission tuning

Affected vehicles:

530dA
Manufacturing period: June 1999 to August 2003

X5 3.0dA
Manufacturing period: October 2001 to September 2003

330dA und 330XdA
Manufacturing period: September 2000 to February 2003

Action:In case of complaint 1:

- a) **530dA**
(Manufacturing period June 1999 to August 2000)
Replace torque converter, oil screen and renew drained off transmission fluid.
Note: On vehicles with transmission with transmission code VT, the current transmission data status C5737 must also be programmed.
- b) **530dA**
(Manufacturing period September 2000 to August 2003)
Program improved transmission data status.
- c) **X5 3.0dA**
(Manufacturing period October 2001 to September 2003)
Program improved transmission data status.

In case of complaint 2:

330dA and 330XdA
(Manufacturing period September 2000 to February 2003)
Program improved transmission data status.

Note:

The data statuses were released at the same time as the series production status and are available to the dealer organisation from DIS CD 33 to CD 38.
Programming is only to be carried out by manual entry.

Procedure:

Follow up customer complaints with a test drive. If the complaint is reproducible as described, we recommend the following procedure:

In case of complaint 1:

- a) **530dA**
(Manufacturing period June 1999 to August 2000)

(manufacturing period June 1999 to August 2000)

- Replace torque converter
- Replace oil screen
- Top up oil using new oil

Important:

On vehicles with transmission with transmission code VT, the current transmission data status C5737 must also be programmed. The transmission code can be found on the transmission type plate, immediately after the transmission serial number, e.g. 224250RVT.

b) 530dA

(Manufacturing period September 2000 to August 2003)

- Program transmission control unit with improved data status by manual input.

The procedure for manual programming is described in the enclosure.

The data required for manual programming is :

Vehicle type	Manufacturing period	Part number Basic control unit/programmed EGS
530dA	09/00 to 08/01	7 508 145 / 7 529 928
530dA *	09/01 until 08/02	7 518 709 / 7 542 324
530dA	09/02 until 08/03	7 518 709 / 7 528 840

- * For these vehicles, programming data are not available to the dealer organisation until DIS CD version 38.

c) X5 3.0dA

(Manufacturing period October 2001 to September 2003)

- Program transmission control unit with improved data status by manual input.

The procedure for manual programming is described in the enclosure.

The data required for manual programming is :

Vehicle type	Manufacturing period	Part number Basic control unit/programmed EGS
X5 3.0dA *	10/01 until 09/03	7 518 709 / 7 542 336

- * For these vehicles, programming data are not available to the dealer organisation until DIS CD version 38.

Note:

If the complaint is not eliminated with the improved data status, please send the enclosed, fully completed acoustic questionnaire to Product Support VS-13, Drivetrain Team, fax no.: +49-89-35002011

In case of complaint 2:

330dA and 330XdA

(Manufacturing period September 2000 to February 2003)

- Program transmission control unit with improved data status by manual input.

The procedure for manual programming is described in the enclosure.

The data required for manual programming is :

Vehicle type	Manufacturing period	Part number Basic control unit/programmed EGS
330dA	09/00 to 08/01	7 508 145 / 7 529 932
330XdA	09/00 to 08/01	7 508 145 / 7 529 930
330dA *	09/01 until 02/03	7 518 709 / 7 542 328
330XdA *	09/01 until 02/03	7 518 709 / 7 542 332

- * For these vehicles, programming data are not available to the dealer organisation until DIS CD version 38.

Note:

If the complaint is not eliminated with the improved data status, please send the enclosed, fully completed acoustic questionnaire to Product Support VS-13, Drivetrain Team, fax no.: +49-89-35002011

Parts:

Description	Part number	Quantity
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Torque converter	24 40 7 515 727	1
Oil filter set	24 11 7 533 657	1
Collar nut	26 11 1 227 830	3

Reimbursement:

Material and labour costs incurred can be claimed through the usual warranty channels subject to current warranty terms.

Defect code	24 40 90 57 00
	This defect code is not contained in the official Defect Code Catalogue but has been included in the system, thus enabling warranty claims to be processed.
	Within the scope of a visit to the workshop:
	Replace torque converter, oil screen and renew drained off transmission fluid, program EGS
Job number	00 53 912
Labour	58 FRUs 530dA Model Year 00 (with VT transmission)
	Replace torque converter, oil screen and renew drained off transmission fluid.
Job number	00 53 913
Labour	55 FRUs 530dA Model Year 00 Program EGS by manual input.
Job number	00 54 722
Labour	5 FRUs 530dA / 330dA / 330XdA / X5 3.0dA
	In case of order without additional repair operations:
	Replace torque converter, oil screen and renew drained off transmission fluid, program EGS
Job number	00 53 369
Labour	60 FRUs 530dA Model Year 00 (with VT transmission)
	Replace torque converter, oil screen and renew drained off transmission fluid.
Job number	00 53 370
Labour	57 FRUs 530d Model Year 00 Program EGS by manual input.
Job number	00 54 147
Labour	6 FRUs 530dA / 330dA / 330XdA / X5 3.0dA
Warranty type	1
Warranty stage	1 (within vehicle warranty) 2 (outside vehicle warranty)

Only one of the above job numbers may be submitted for reimbursement.

Note:

The net costs for the transmission fluid (approximately 8 litres) can be reimbursed using reimbursement code 04.

Reimbursement is limited to **36 months / 100,000 km** and is only possible until **August 2006**.