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**Vehicle jerks during gearchange, hard 1-2 and 2-3 shifts,  
torque converter lockup clutch (KüB) not engageable**

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Número de tema	LI27.20-P-051537
Versión	4
Grupo de construcción	27.20 Torque converter
Edición	08-07-2012
Validez	Model designation 212, 216, 218, 221,251 and 164 with automatic transmission NAG2FE+ (identifiable by EHS part no., starting with A 212 ...) In combination with OM 642 LS up to transmission sequence no. 3.154.598 and M278 up to transmission sequence no. 3.166.389,
Motivo de modificación	Model designation BR 164 deleted and model designation GL 164 164.822 added.
Motivo de bloqueo	

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**Reclamación:**

Vehicle jerks during gearchange or has hard or slipping shifts.  
In some cases the torque converter lockup clutch (KüB) cannot be actuated.  
The following fault codes may be stored in the transmission control unit:  
2783, 0741, 0894, 0893, 0735, 0734, 0733, 0732, 0731, 0729, 0606, 076F

Affects veh. up to production date 10.01.2011

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**Causa:**

Torque converter lockup clutch (KüB) cannot be actuated due to a restricted filter in the KüB valve.  
Other valve filters, e.g. K1 control solenoid valve (Y3/8y2), may also be restricted with wear debris.

Note: Only replace solenoid valves which can not be cleaned, up to a maximum of 4 solenoids

**Remedio:**

Removal of EHS and removal of all valves from the EHS to evaluate the contamination of the valve filters. Please observe AR27.19-P-0212A.

Install repair filter A 221 277 00 00.

The filter is only valid for NAG2FE+ with OM 642 LS up to transmission sequence no. 3.154.598 and M278 up to transmission sequence no. 3.166.389.

Replacement of the torque converter is not necessary if this repair is performed.

ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0729	The gear is implausible or the transmission is slipping.(6. gear) ([VGS3_*])
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	076F	The gear is implausible or the transmission is slipping.(7. gear) ([VGS3_*])
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0733	The gear is implausible or the transmission is slipping.(3. gear) ([VGS3_*])
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0741	Actuation of torque converter lockup clutch is not possible. ([VGS2_*])
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0741	Actuation of the wet start-off clutch (NAK) is not possible. ([VGS3_*](ECU1_DV_HEX@04A1)or(ECU1_DV_HEX@04A2) or(ECU1_DV_HEX@04A3))
ETC-Electronic transmission control (EGS3) (CL (216),S (221))	2783	The torque converter lock-up clutch has excessive power consumption.
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0731	The gear is implausible or the transmission is slipping.(1. gear) ([VGS3_*])
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0732	The gear is implausible or the transmission is slipping.(2. gear) ([VGS3_*])
EGS53 - Electronic transmission control (N15/3) (GLK (204), E (212))	2783	The input power at the torque converter lockup clutch is too high.
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0734	The gear is implausible or the transmission is slipping.(4. gear) ([VGS3_*])
ETC-Electronic transmission control (EGS2) (CL (216),R (251),GL (164),S (221))	0606	Component Y3/8n4 (Fully integrated transmission control (VGS) control unit) is defective. ([VGS3_*](ECU1_DV_HEX@04A1) or(ECU1_DV_HEX@04A2)or(ECU1_DV_HEX@04A3))

Piezas							
Número de pieza	ES1	ES2	Designación	Cantidad/número	Indicación	EPC	Pieza de procedencia ajena
A 001 989 78 03			ATF fluid	1	Canister size 1l - quantity as required ES1	X	
A 220 277 09 98			Control solenoid valve	1	Valve with rising characteristic (blue cap)	X	
A 220 277 10 98			Control solenoid valve	1	Valve with falling characteristic (black cap)	X	

A 221 277 00 00		Repair filter	1	Only for NAG2FE+ with OM 642 LS with transmission sequence no. 3.154.599 and M278 with transmission sequence no. 3.166.390, OM651 100 kW up to transmission sequence no. 3.155.579, OM651 125/150 kW up to transmission sequence no. 3.155.551	X
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Unidades de trabajo				
N° de operación	Texto de trabajo	Tiempo	Clave de avería	Indicación
			27287 D1	Torque converter lockup clutch

WIS-Referencias			
Número de documento	Título	Indicación	Asignación
AR27.19-P-0212A	Remove/install control solenoid valves of electric controller unit	Transmission 722.9	Abhilfe

Validez		
Vehículo	Motor	Cambio
164.822	642.940	722.902
204.901	651	722.996
204.901	651	722.908
204.902	651	722.908
204.982	651	722.965
204.984	651	722.965
212.002	651	722.908
212.003	651	722.908
212.005	651	722.996
212.023	*	*
212.082	651	722.965
212.093	*	*
212.202	651	722.908
212.203	651	722.908
212.205	651	722.996
212.223	*	*
212.282	651	722.965
212.293	*	*
216.373	*	*
216.394	*	*

# XENTRY

218.323	*	*
221.003	651	722.908
221.026	*	*
221.083	*	*
221.103	651	722.908
221.126	*	*
221.183	*	*
251.021	*	*
251.023	*	*
251.123	*	*