

Automatic transmission 722.9 switches to limp-home mode

Topic number	LI27.60-P-049270
Version	2
Design group	27.60 Gearshift, control
Date	04-04-2011
Validity	All models with transmission 722.9
Reason for change	Remedy revised
Reason for block	

Complaint:

Automatic transmission switches to limp-home mode or has no power flow (e.g. 3rd gear is not reached).

Note:

Fault codes P2502 and/or 2505 or 0894 and/or 2711 may be logged.

Attempts must be made to reproduce the problem.

Cause:

K1 piston may be damaged (adaptation data for 2-3 shift may be at positive limit).

Remedy:

If the complaint can only be reproduced for the upshift from gear 2 to gear 3 or if the 3rd gear cannot be reached, there could be a defect in the K1 piston.

1. Replace complete multidisk clutch K1 as per EPC.
2. Then re-adapt the vehicle.

Symptoms

Automatic transmission / Power transmission / Automatic transmission - function / Limp-home mode /
Automatic transmission / Power transmission / Automatic transmission - function / General /
Automatic transmission / Power transmission / Automatic transmission - function / No power flow /
Automatic transmission / Power transmission / Automatic transmission - function / Electrical fault/Fault code /

Control unit/fault code

Control unit	Fault code	Fault text
ETC-Electronic transmission control (EGS2) (CL (216),M (164),CL (215),C (203),R (251),CLS (219),SLK (171),S (220),S (221),CLK (209),E (211),SL (230),GL (164),G (463))	2711	Hydraulic fault in transmission (engaging shift element does not engage). ([VGS2_*])
ETC-Electronic transmission control (EGS2) (CL (216),M (164),CL (215),C (203),R (251),CLS (219),SLK (171),S (220),	0894	The gear is implausible or the transmission is slipping. ([VGS2_*])

S (221),CLK (209),E (211),SL (230),GL (164),G (463))		
ETC-Electronic transmission control (EGS2) (CL (216),M (164),CL (215),C (203),R (251),CLS (219),SLK (171),S (220),S (221),CLK (209),E (211),SL (230),GL (164),G (463))	2505	Hydraulic fault in transmission (engaging shift element does not engage). ([VGS_*])
ETC-Electronic transmission control (EGS2) (CL (216),M (164),CL (215),C (203),R (251),CLS (219),SLK (171),S (220),S (221),CLK (209),E (211),SL (230),GL (164),G (463))	2502	The gear is implausible or the transmission is slipping. ([VGS_*])

Work units

Op. no.	Operation text	Time	Damage code	Note
			27370 D1	

Validity

Vehicle	Engine	Transmission
*	*	722.907
*	*	722.999
*	*	722.902
*	*	722.903
*	*	722.901
*	*	722.904
*	*	722.906
*	*	722.962
*	*	722.998
*	*	722.961
*	*	722.932
*	*	722.950
*	*	722.967
*	*	722.965
*	*	722.930
*	*	722.997
*	*	722.966
*	*	722.908
*	*	722.909
*	*	722.996
*	*	722.963

XENTRY

*	*	722.960
*	*	722.931
*	*	722.964