

Fault Code P089300 on 722.9 Transmission with VGS4NAG2

Topic number	LI27.00-P-060097
Version	2
Design group	27.00 General
Date	07-07-2015
Validity	All vehicles with transmission 722.9 and control unit variant VGS4NAG2
Reason for change	Solution Provided
Reason for block	

Complaint:

Vehicle in limp-home mode with fault code P089300. Normal operation returns after key cycle.

Cause:

Shift valve fault or stuck on clutch pack

Remedy:

Test drive vehicle to ensure that there is not a present concern (i.e. vehicle shifts to limp home mode on specific gearshifts)

Evaluate freeze frame data for fault frequency

If the fault has happened 2 times or less:

1. Drain transmission & remove valvebody
2. Remove all solenoids from valvebody
3. Rinse solenoid screens in clean transmission fluid
4. Reassemble and install valvebody to transmission
5. Fill transmission with new, clean fluid

If fault has occurred more than 2 times:

Please Create a PTSS case with the following data:

- Current Quicktest
- Results of driving evaluation
- VGS Control Unit Log
- EEPROM in LOG or TXT format

Front line agent will evaluate and respond to the case

Symptoms

Power transmission / Automatic transmission / Automatic transmission - function / Limp-home mode

Control unit/fault code

Control unit	Fault code	Fault text
VGS - Fully integrated transmission control (Y3/8n4) (VGS4NAG2)	P089300	Hydraulic fault in transmission

Work units				
Op. no.	Operation text	Time	Damage code	Note
54-0650	12V		27401 B1	
54-1011	QUICK TEST		27401 B1	
27-1256	DRAIN/FILL TRANS		27401 B1	
27-4989	R&R VALVE BODY		27401 B1	
00-8515	CLEAN OUT VALVE BODY SOLENOIDS		27401 B1	
27-1047	ADAPTATION SEPARATE PUNCH, IN/OUT MILEAGE		27401 B1	

Validity		
Vehicle	Engine	Transmission
166.003	*	722
166.004	*	722
166.023	*	722
166.024	*	722
166.055	*	722
166.056	*	722
166.057	*	722
166.058	*	722
166.062	*	722
166.073	*	722
166.074	*	722
166.823	*	722
166.824	*	722
166.856	*	722
166.864	*	722
166.872	*	722
166.873	*	722
166.874	*	722
205.002	*	722.908
205.003	*	722.908
205.004	*	722.908
205.008	*	722.908
205.009	*	722.965
205.036	*	722.993
205.037	*	722.993
205.040	*	722.995
205.042	*	722.995

XENTRY

205.045	*	722.995
205.048	*	722.994
205.049	*	722.969
205.066	*	722.961
205.086	*	722.930
205.087	*	722.930
205.140	*	722.995
205.142	*	722.995
205.145	*	722.995
205.204	*	722.908
205.208	*	722.908
205.209	*	722.965
205.236	*	722.993
205.237	*	722.993
205.240	*	722.995
205.242	*	722.995
205.245	*	722.995
205.266	*	722.961
205.286	*	722.930
205.287	*	722.930
212.001	*	722
212.002	*	722
212.003	*	722
212.004	*	722
212.005	*	722
212.006	*	722
212.020	*	722
212.021	*	722
212.023	*	722
212.024	*	722
212.025	*	722
212.026	*	722
212.027	*	722
212.034	*	722
212.035	*	722
212.036	*	722
212.040	*	722
212.041	*	722
212.047	*	722
212.048	*	722
212.052	*	722
212.053	*	722
212.054	*	722

XENTRY

212.055	*	722
212.056	*	722
212.057	*	722
212.059	*	722
212.061	*	722
212.065	*	722
212.067	*	722
212.072	*	722
212.073	*	722
212.074	*	722
212.075	*	722
212.076	*	722
212.077	*	722
212.080	*	722
212.082	*	722
212.087	*	722
212.088	*	722
212.089	*	722
212.090	*	722
212.091	*	722
212.092	*	722
212.093	*	722
212.094	*	722
212.097	*	722
212.099	*	722
212.133	*	722
212.134	*	722
212.136	*	722
212.147	*	722
212.148	*	722
212.154	*	722
212.162	*	722
212.165	*	722
212.167	*	722
212.168	*	722
212.201	*	722
212.202	*	722
212.203	*	722
212.204	*	722
212.205	*	722
212.206	*	722
212.220	*	722
212.221	*	722

XENTRY

212.223	*	722
212.224	*	722
212.225	*	722
212.226	*	722
212.227	*	722
212.234	*	722
212.236	*	722
212.247	*	722
212.248	*	722
212.254	*	722
212.255	*	722
212.256	*	722
212.257	*	722
212.259	*	722
212.261	*	722
212.265	*	722
212.267	*	722
212.272	*	722
212.273	*	722
212.274	*	722
212.275	*	722
212.276	*	722
212.277	*	722
212.280	*	722
212.282	*	722
212.287	*	722
212.288	*	722
212.289	*	722
212.291	*	722
212.292	*	722
212.293	*	722
212.294	*	722
212.297	*	722
212.299	*	722
217.377	*	722.931
217.378	*	722.971
217.379	*	722.932
217.382	*	722.909
217.385	*	722.967
222.032	*	722
222.033	*	722
222.077	*	722
222.082	*	722

XENTRY

222.085	*	722
222.123	*	722
222.132	*	722
222.133	*	722
222.162	*	722
222.165	*	722
222.167	*	722
222.176	*	722
222.177	*	722
222.178	*	722
222.179	*	722
222.182	*	722
222.185	*	722
222.967	*	722
222.976	*	722
222.982	*	722
CLS (218)	*	722
SL (231)	*	722