




AD07.61-P-4000-27L	Gear implausible or transmission leaking ME-SFI fault code description		
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		Gear implausible or transmission with leaks
1	Fault code ( Display on generic scan tool)	P2069 (P0700)
2	Fault storage Actuation of the indicator lamp - engine diagnosis (EURO3/4) - CHECK ENGINE (MIL) ()	after expiry of test duration and fault - no actuation - after two successive driving cycles with faults
3	Checking frequency	Continuous
4	Checked signal or status	calculated gear ratios outside tolerance
5	Fault setting conditions permissible deviation from respective gear ratio Checking duration	± 0.20 1st/2nd gear ± 0.05 3rd gear ± 0.03 4th/5th gear ± 0.20 Reverse gear approx. 2 seconds
6	Check prerequisites	- Engine speed greater than 400 rpm - Output shaft rotational speed greater than 180 rpm (corresponds to approx. 20 km/hour) - No shift operation.
7	Check procedure	If no shift operation is being performed, the ETC control unit detects the engaged gear from the gear ratio. If the gear ratio is outside the tolerance or the gear detection is implausible, the modulating pressure is adjusted to its highest value after approx. 0.5 seconds. If the gear ratio remains outside the tolerance or the gear detection remains implausible, fault detection takes place after approx. 1 second.
8		The gear ratios are calculated based on the following parameters: rpm signal n2, rpm signal n3 and rotational speed output shaft (determined over rear wheel speed). Faults are detected by the ETC control unit and sent via the CAN data bus to the ME-SFI control unit. The faults are stored and the "CHECK ENGINE" malfunction indicator lamp (MIL) is activated by the ME-SFI control unit. Additionally read out ETC diagnostic fault code memory.