

**Diagnosis - Complaint Related Diagnostic Chart**

Complaint/Problem	Possible cause	Remedy/Test step <sup>1)</sup>
4MATIC function indicator lamp (A1e25) lights intermittently when driving when no wheel slip is occurring.	Steering angle sensor (N49): wiring exchanged; poor contact in connector.	DTC memory 12, 23 ⇒ 10, 11.0, 12.0
4MATIC function indicator lamp (A1e25) lights while driving around small radius curves without wheel slip.	VSS sensors (L6, L6/1, L6/2).	DTC memory 12, 23 ⇒ 13.0, 14.0, 15.0
4MATIC MIL (A1e24) lights or blinks after starting engine. DTC memory can not be read out <sup>2)</sup>	Service valve (up to 05/91) 4MATIC hydraulic unit (A7/2) Oil pressure switch (A7/2s1) Oil supply pump	23 33, 34
ABS MIL (A1e17) lights for approx. 20 seconds after starting engine. (DTC memory can not be read out)	Open circuit in signal line between 4MATIC and ABS control modules.	23 ⇒ 7.0
Drivetrain roughness while driving around small radius curves (4MATIC stage 1)	Service valve (up to 05/91) 4MATIC hydraulic unit (A7/2) Solenoid valves	33, 34 43
Drivetrain roughness while driving around small radius curves (4MATIC stage 0)	Service valve (up to 05/91) 4MATIC hydraulic unit (A7/2) Solenoid valves	33, 34 43
Consistently high oil consumption without external leakage	Defective seals on pistons of multi-disc clutches.	32
Growling, droning, vibration while driving around curves (Service valve in Test position)	Rear engine mount has settled	Adjust, or replace rear engine mount as necessary.

<sup>1)</sup> Observe Preparation for Test, see 22.

<sup>2)</sup> To quickly diagnose a possible hydraulic fault, disconnect connector (A7/2x1) of the 4MATIC hydraulic unit (A7/2) located under the right rear seat. Pull out pin 7 or 8 and reconnect connector. If the DTC memory can now be read out, there is a hydraulic fault.