

## 9.4 Traction Systems (ETS) (4MATIC) and SPS

### Diagnosis – Complaint Related Diagnostic Chart

#### Preparation for Test

##### 1. Review 21

Complaint/Problem	Possible cause	Test step/Remedy <sup>1)</sup>
ETS MIL (A1e35) or ABS MIL (A1e17) illuminates when engine is running.		Read out DTC's, using HHT.
ETS MIL (A1e35) or ABS MIL (A1e17) illuminates while driving and does not go out.		Read out DTC's, using HHT.
ETS MIL (A1e35) and ABS MIL (A1e17) illuminates while driving and then goes out.	Vehicle system voltage < 11 V, too many electrical consumers in use.	Check generator (G2), Read out DTC's, using HHT.
Brake pad wear indicator lamp (A1e6), low brake fluid/parking brake indicator lamp (A1e7), ETS warning lamp (A1e36), ABS MIL (A1e17), ETS MIL (A1e35) will not illuminate when turning ignition on.	CAN data line.	23 ⇒ 3.0, Read out DTC's for instrument cluster
ABS MIL (A1e17) illuminates with engine running after brake test or dynamometer use.	Nonplausible rpm signal due to different rpm at front and rear axles.	Read out DTC's, erase using HHT.
ETS MIL (A1e35) illuminates while driving and then after a while goes out (DTC code C1512 is stored).	Rear brakes were overloaded at one time.	Read out DTC's, erase using HHT.

<sup>1)</sup> Observe Preparation for Test,