Diagnosis – Complaint Related Diagnostic Chart

Preparation for Test
1.   Review 21, 22, 23
2.   Review section 0 entirely.

Complaint/Problem	Possible cause	Test step/Remedy [1]
BAS/ESP MIL (A1e47), BAS/ASR ABS MIL (A1e48) or BAS/ETS (A1e49) illuminate with engine running.		Read DTC memory, using HHT. See 12
BAS/ESP MIL (A1e47), BAS/ASR ABS MIL (A1e48) or BAS/ETS (A1e49) illuminate while driving and remain illuminated.		Read DTC memory, using HHT. See 12
BAS/ESP MIL (A1e47), BAS/ASR ABS MIL (A1e48) or BAS/ETS (A1e49) illuminate while driving, but then go out.	Vehicle electrical system voltage < 11 V, too many electrical consumers in use. Check generator and voltage regulator Model 129 Model 140 Model 210	Read DTC memory, using HHT. See 12 See SMS, Job no. RA 15-5010 RA15-5010 AR15.40-P-5010EA

[1]   Observe Preparation for Test, see 22.

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy [1]
Brake pad wear indicator lamp (A1e6), low brake fluid level/parking brake indicator lamp (A1e7), ASR warning lamp (A1e21), ESP warning lamp (A1e41), ABS MIL (A1e17), BAS/ETS MIL (A1e49), BAS/ASR ABS MIL (A1e48), or BAS/ESP MIL (A1e47) do not illuminate with ignition turned on.	CAN data line	Read DTC memory, for Instrument cluster, using HHT.
BAS system responds too fast or too slowly (late).	Parametering does not coincide with engine control module.	See "Parametering" using HHT, Readout DTC's from BAS system, Code engine control module, See 22
The following DTC stored in memory: "C 1025" (CAN communication with Traction System control module interrupted). There are also CAN signals stored in memory for: No stop lamp signal or No wheel speed signal (VSS), additionally, there are **no** customer complaints in regards to BAS system. Lastly, **none** of the BAS MIL are **illuminated**.	When the ABS, ETS, ASR or ESP systems are selected with the HHT, it is possible that the DTC "C 1025" is subsequently stored in BAS memory.	Erase DTC. Additional diagnostic work is not required.

[1]   Observe Preparation for Test, see   22.