

Diagnosis - Complaint Related Diagnostic Chart

Electronic Accelerator

Complaint/Problem	Possible Cause	Remedy ¹⁾ /Test Step
ASR malfunction indicator lamp comes on while driving and electronic accelerator goes into "limp-home" mode	Check accelerator pedal position sensor (R25), replace if necessary, Electronic accelerator/cruise control actuator (M16/1), Electronic accelerator control/cruise control module (N4/1)	23 ⇒ 3.0 ¹⁾ 23 ⇒ 4.0 ¹⁾ 23 ⇒ 1.0 ¹⁾
Increased resistance when pressing accelerator pedal and/or electronic accelerator switches off	Telescoping linkage rod (20, Figures 1, 3, 6) bent	SMS, Repair Instructions, Group 30, Job no. 300.
Automatic transmission downshift incorrect	Control linkage not correctly adjusted	SMS, Repair Instructions, Group 30, Job no. 300.

¹⁾ Observe Preparation for Test, see 22.

Cruise Control

Complaint/Problem	Possible Cause	Remedy ¹⁾ /Test Step
Cruise control does not operate	No vehicle speed signal at electronic accelerator/cruise control module (N4/1)	26 ⇒ 3.0 ¹⁾
Surging during cruise control operation	Check electronic accelerator/cruise control actuator (M16/1), replace if necessary	26 ⇒ 5.0 ¹⁾

¹⁾ Observe Preparation for Test, see 22.