### 5.1 Acceleration Slip Regulation (ASR)  
#### Model 129

## Diagnosis – Complaint Related Diagnostic Chart

<table>
<thead>
<tr>
<th>Complaint/Problem</th>
<th>Possible cause</th>
<th>Test step/Remedy 1)</th>
</tr>
</thead>
</table>
| ABS and ASR malfunction indicator lamps remain lit after starting engine, until ignition is switched **OFF**. | Switchover/solenoid valve (A7/3y5)  
Overvoltage protection relay module (87E, 7-pole ) (K1/1) | 23 ⇒ 35.0,  
23 ⇒ 3.0, 5.0. |
| ABS and ASR malfunction indicator lamps come on after exceeding a speed of approx. 5 km/h (3mph), until ignition is switched **OFF**. | Solenoid valve relay (A7/3k1)  
Return/pressure pump relay (A7/3k2)  
Return/pressure pump motor (A7/3m1)  
ASR charging pump (M15) | 23 ⇒ 2.0, 7.0,  
23 ⇒ 25.0,  
23 ⇒ 39.0. |
| ABS and ASR malfunction indicator lamps come on while driving, until ignition is switched **OFF**. | Vehicle speed sensor (L6/1, L6/2, L6/3, L6/4)  
ASR charging pump (M15)  
ABS/ASR control module (N30/1) | 23 ⇒ 23.0, 26.0, 29.0, 32.0,  
38.0, 39.0,  
ABS/ASR control module (N30/1). |
| ASR malfunction indicator lamp comes on while driving (electronic accelerator does not enter “limp-home” mode), until ignition is switched **OFF**. | ASR charging pump (M15)  
Return/pressure pump motor (A7/3m1), pressure reservoir, hydraulic lines, connections leaking. | 23 ⇒ 38.0, 39.0,  
33.0,  
Engines, Volume 3, section 6.1 |
| ASR malfunction indicator lamp comes on while driving, electronic accelerator enters “limp-home” mode, (after brief free play, greater pedal effort required), until the ignition is switched **OFF**. | Electronic accelerator | Engines, Volume 3, section 6.1 |

1) Observe Preparation for Test, see 22.