


4.2 Automatic Locking Differential (ASD)

Model 140.134

Mechanical Test Program - Test

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	Frictional torque without ASD engaged	Torque wrench (15 – 65 Nm)	Turn torque wrench through 90° (see 42, Figure 2). Observe and record the value.	See ⇒ 2.0	⇒ 2.0
⇒ 2.0	Frictional torque with ASD engaged	<div style="text-align: center;">  <p>N30/2</p> </div> Torque wrench (80 – 260 Nm)	Disconnect ASD control module (N30/2). Return wheel to its starting position in ⇒ 1.0 (see 42, Figure 2). Engine: at Idle Pressure within hydraulic system: without pressure reservoir 50 – 63 bar. with pressure reservoir 27 – 33 bar. (see 33 ⇒ 2.0, 3.0) Turn torque wrench through 90° (see 42, Figure 2). Observe and record the value.	Measured frictional torque in ⇒ 2.0 minus measured frictional torque in ⇒ 1.0: > 100 Nm.	If frictional torque difference is < 100 Nm, replace rear axle center piece.