

P35-0200-59

Note

A quick function check can be performed by checking the friction at the wheel. The difference in the friction with the hydraulic pressure applied and not applied should be at least 100 Nm. This value is for checking only and is not identical with the achievable initial friction.

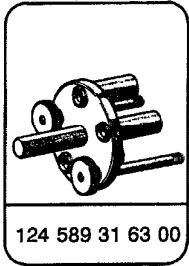
35-518 Testing ASD frictional torque

Vehicle	jack up on one side at rear and place on jack stand.
Hub caps	if present, remove and screw out two opposing lug bolts, screw in.
Stud bolts on drive flange (060)	with short thread, screw all the way into rear axle shaft flange.
Drive flange (060) 124 589 31 63 00	slide onto lug bolts and tighten knurled nuts by hand (figure section 1).
Frictional torque	measure at angle of 90° with torque wrench without ASD actuated (ignition switched off), note value (figure section 2). Turn wheel back 90° to initial position.
ASD control unit (N30/2)	disconnect from connector. Bridge sockets 8 and 10. For this purpose use line with 2.5 mm and 4.0 mm dia. plugs from electrical connection set 201 589 00 99 00 (figure section 3). Start engine.
Frictional torque	measure again at same angle of 90° with ASD actuated, note value (figure section 4).
Difference in frictional torque	calculate. If difference is less than 100 Nm, replace rear axle differential housing.

Example:

Measurement	Nm
with ASD actuated	170
without ASD actuated	-10
Difference in frictional torque	160

Special tool



Commercially available tools

Torque wrench with pointer
15-65 Nm
80-260 Nm

e.g. Stahlwille
Monoscope 73 (73 Nm/6) and
Monoscope 73 (73 Nm/25)

Torque wrench with dial gauge and
trailing pointer (0-250 Nm)

e.g. Snap-On
Order no. TESI 250 FU
