



SCANIA

10:03-09

Issue 1 en

Testing brake system

Inspection report

Applies to vehicles with EBS



122 392

Testing brake system

Inspection report

Date	Truck type	Chassis no.	Reg. no.	AO no.
Customer			Odometer reading	Issued by
Test carried out:	Before action <input type="checkbox"/>	After action <input type="checkbox"/>	Correct readings are shown in parentheses	

1. Operating pressure, seal integrity and check valve in overflow valve (39)

Operating pressure	Relief pressure	(9.1 - 9.5 bar)	(12.0 - 12.4 bar) *
	Charging pressure	(7.9 - 8.9 bar)	(10.4 - 11.5 bar)*	-
	Working pressure range	(0.6 - 1.2 bar)	(0.9 - 1.6 bar) *	=
Pressure limiting valve 58c		(9.1 - 9.5 bar) *	
Check valve in overflow valve (39)				<input type="checkbox"/>
Seal integrity	Pressure reading		
	Pressure after 1 minute			-
	Pressure reduction	(max 0.2 bar)		=

* Applies to vehicles with extra load handling tanks

2. Air dryer, anti-freeze unit

Resistance: 5.0 - 7.5 ohms at a temperature of < + 7 °C

3. Four circuit protection valve

	Front circuit	Rear circuit	Parking circuit	Accessory circuit
Opening pressure (> 5.0 bar)			-----	-----
Closing pressure (> 4.0 bar)				
Bypass function	-----			-----

4. Parking brake, emergency brake

	Drive position	Emergency brake position	Parking position, valve without test position	Parking position, valve with test position	Test
Test connection 7	(7.4 - 8.2)	(0.0)	(0.0)	(0.0)	(0.0)
Test connection 8	(0.0)	(6.6 - 7.6)	(0.0)	(6.6 - 7.6)	(0.0)
Pressure limiting valve 58b	(7.7 - 8.3 bar)			
Check valve	Pressure decrease during 1 minute			(Max. 1 bar)

5. Fault codes:	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No:
No:			

6. Configuration:	OK <input type="checkbox"/>	Incorrect/ altered <input type="checkbox"/>
Alteration:		

7. Lining wear sensor:	T39, %	T40, %	T41, %	T42, %	T51, %	T52, %	T89, %	T90, %

8. Warning lamps, sensors:	OK <input type="checkbox"/>	Action <input type="checkbox"/>
Actions:		

9. Pedal position sensor, D39	Voltage supply	Pot. 1, 0-position	Pot. 2, 0-position
	volts	volts	volts

10. Load sensing pressure sensor, T46				
Method: /A	<input type="checkbox"/>	Air spring pressure reading, manometer		
/B	<input type="checkbox"/>	Air spring pressure setting 2.0 and 0.0 bar, read with Scania Diagnos		
/C	<input type="checkbox"/>	2.0 bar	bar (1.5-2.5)	0.0 bar bar (-0.5-0.5)

11. Communication		
Exhaust brake signal - EBS 2.2	<input type="checkbox"/>	
DBR signal, vehicles with exhaust brake	<input type="checkbox"/>	
DBR signal, vehicles without exhaust brake	<input type="checkbox"/>	volts
Engine, torque limitation	<input type="checkbox"/>	
Engine, requested engine torque - EBS 2.2	<input type="checkbox"/>	

12. Service brake valve

Test connection 3 (rear circuit)	0.5	1.0	2.0	1.5	1.0
Test connection 9 (front circuit)					
Permissible pressure in test connection 9	0.1 - 0.4	0.6 - 0.9	1.6 - 1.9	1.4 - 1.7	0.9 - 1.2

13. Brake starting pressure

		1st axle	2nd axle	3rd axle	4th axle
Max 0.3- 0.5 bar	Left, bar				
Max 0.3- 0.5 bar	Right, bar				

14. Control module

Pressure reading		Governing pressure, Scania Diagnos				Supply voltage
		0.5	1.0	1.5	2.0	
V82	Test connection 5					volts
V83						volts
V84						volts
V85						volts
V86						volts
V95						volts
V96						volts
Backup pressure via brake pedal						
		1.0	3.0	6.0		
V82	Scania Diagnos					
V83						
V84						
V85						
V86						
V95						
V96						

15. Trailer relay valve

Test connection 3 (of the rear circuit)	0.5	1.0	2.0	1.5	1.0
Test connection 8 (regulated pressure to trailer)					
Permissible pressure in test connection 8	0.5 - 1.0	1.2 - 1.5	2.2 - 2.5	1.8 - 2.1	1.3 - 1.6

16. Trailer control module						
Pressure reading		Governing pressure, Scania Diagnos				Supply voltage
		0.5	1.0	1.5	2.0	
V48	Test connection 8					volts
Backup pressure via brake pedal						
		1.0	3.0	6.0		
V48	Scania Diagnos					

17. Trailer relay valve/control module discharge function	
(< 1.5 bar in 2 seconds)	<input type="checkbox"/>

18. Communication	
CAN communication with EBS equipped trailer	<input type="checkbox"/>

19. Secondary brake valve, T-vehicle 4x2 EBS 2.2	
Operational test	<input type="checkbox"/>

20. Wheel sensors	T11	T12	T13	T14	T28	T30	T87	T88
Initial speed, km/h.								
Speedometer = 20 km/h								
Speedometer = 40 km/h								

21. Retarder torque	
CAN communication between EBS and retarder	<input type="checkbox"/>

