NEW HOLLAND

D180

Workshop
Manual

NEW HOLLAND
CONSTRUCTION
BUILT AROUND YOU

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SECTION 0

GENERALITIES

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SECTION 1

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TECHNICAL DATA D180

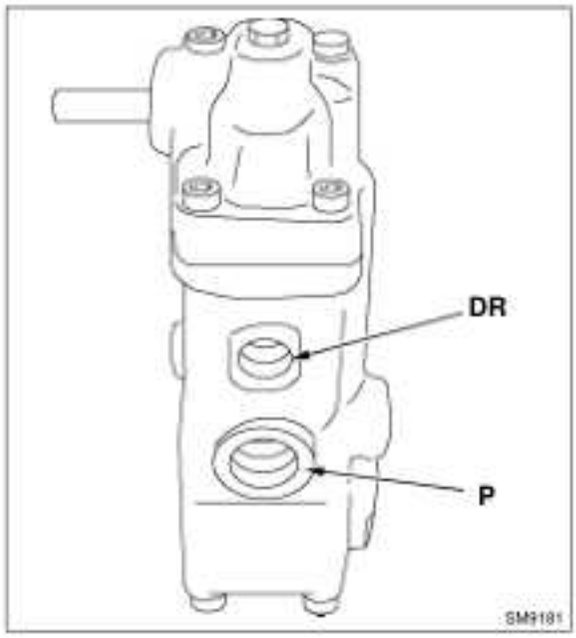
OPERATOR'S COMPARTMENT	Dom light (2) FM-AM Radio (12 Volt) Can holders 12 V jack for lunch box refrigerator		
	No. of air ducts	-	10
	Seat		
	Make		Kab
	Model		301
	Adjustment range	mm (in)	150 (5.9)
	Height adjustment	mm (in)	60 (2.4)
	Other features		
	Fabric coath, with safety belt and tie links		
	Heater group		
	Heating capacity (air inlet temp. -10 °C; air flow 600 m³/h;		
	water inlet temp. 85 °C; water flow 800 L/h)	kW (HP)	10.4 (13.9)
	Filter:		
	Media, inorganic glass fibre paper		
	Efficiency	%	> 65
	Capacity	micron	0.3
	Size	cm² (in²)	19600 (3038)
	Recirculation percentage:		
	No. of fans (type: SPAL 006-839-22 3 speed - total free flow 1160 m³/h)		2
	No. of fan speeds		3
	Max. cab air flow (free total air flow 1160 m³/h)	m³/h (ft³/h)	500 (17657)
	Max. pressurization	bar (psi)	0.0019 (0.028)
	Air conditioner group		
	Max. gas charge	g (lb)	1600 (3.5)
	Cooling capacity (air inlet temp. +30 °C; air flow 600 m³/h;		
	air relative humidity 55%)	kW (HP)	6 (8)
	Re-circulation percentage	%	na
	Compressor		
	Make		Sanden
	Model		SD7H1SMD7948
	Displacement (max. allowed speed 7000 rpm)	cc/rev	160
	Thermostat valve setting		+1 °C (33.8 °F) open: diff. temp. setting 3.5 °C (38.3 °F)
	Pressure switch (2 level type): LOW LEVEL: HIGH LEVEL:		 open 2 bar, closed 2.1 bar open 25 bar, closed 19 bar
	Expansion valve		2 TON - 6000 kcal/h

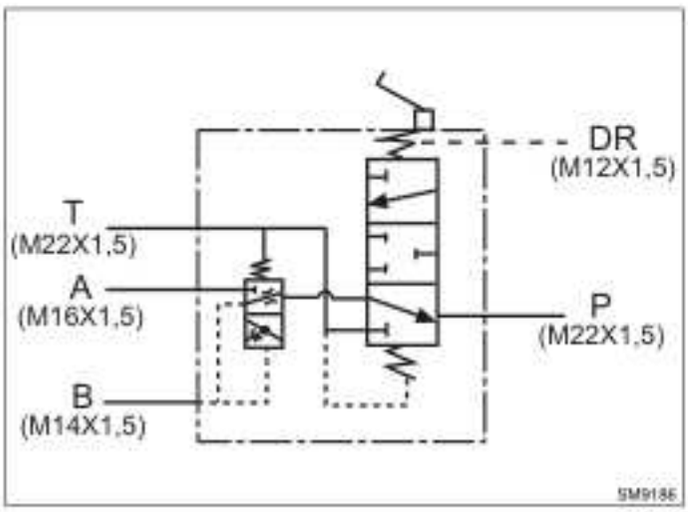
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Brake pedal valve
(Ref. **3**, hydraulic diagram)

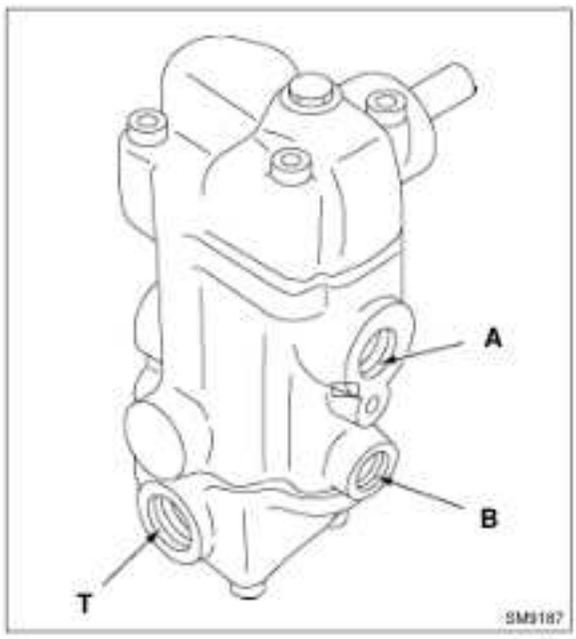
The brake pedal valve is mounted in the lower part of the cab and it is actuated by a linkage, directly by the brake pedal.

P. To brakes (delivery)
DR. To brakes (draining)
T. To housing (discharge)
A. To feeding valve
B. From feeding valve (pos. 2) and to proportional solenoid valve (pos. P)



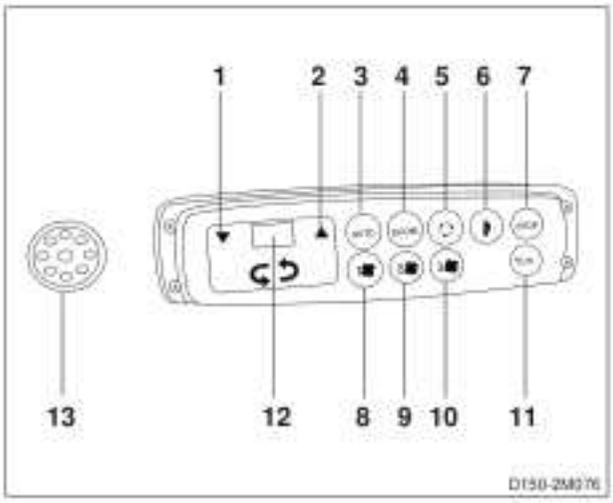


Valve hydraulic diagram



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8.1.3 CAB CLIMATE CONDITIONER AND ERROR CODES



1. Decrement of internal temperature - **2.** Increment of internal temperature - **3.** Automatic function - **4.** Compressor cut-off - **5.** Re-circulation - **6.** Outer temperature - **7.** Cut-off - **8.** Fan 1st speed - **9.** Fan 2nd speed - **10.** Fan 3rd speed - **11.** °C/°F conversion - **12.** Display reading of temperature setting - **13.** Cab inside temperature sensor.

ERROR CODES TABLE

ERROR	ERROR DESCRIPTION
E1	OUTSIDE TEMPERATURE FEELER (TE) OPEN
E2	OUTSIDE TEMPERATURE FEELER (TE) IN SHORT CIRCUIT
E3	INSIDE TEMPERATURE FEELER (TI) OPEN
E4	INSIDE TEMPERATURE FEELER (TI) IN SHORT CIRCUIT
E5	MIXED AIR TEMPERATURE FEELER (TIM) OPEN
E6	MIXED AIR TEMPERATURE FEELER (TM) IN SHORT CIRCUIT

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