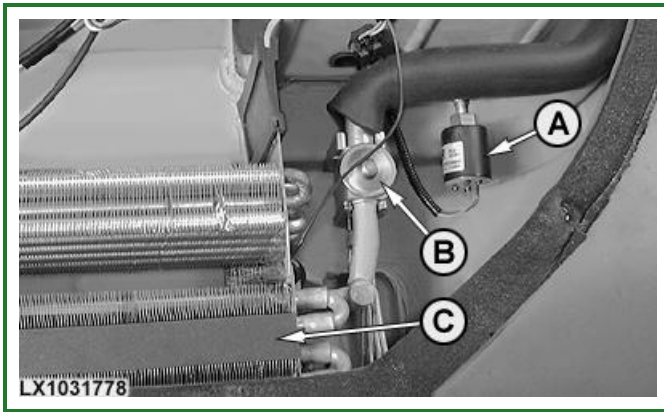


Air Conditioning System - High and Low Pressure Switch, Component Information**LX1031778-UN: High/Low-Pressure Switch****LEGEND:**

A - High/Low-Pressure Switch

B - Expansion Valve

C - Evaporator

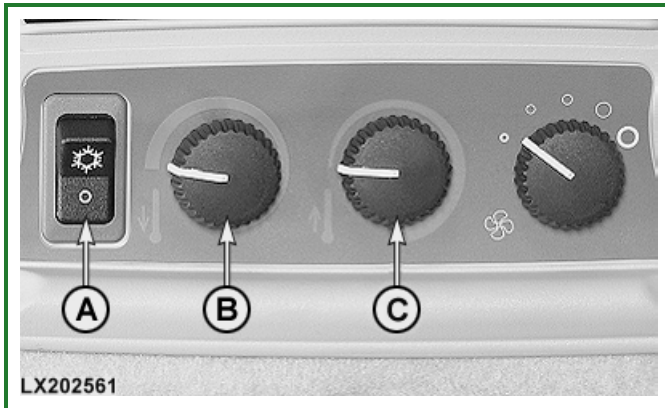
-: High and Low Pressure Switch - Component Information

Designation	High/low pressure switch
Location	High and low pressure switch (A) is located in the roof compartment close to expansion valve (B) and evaporator (C).
Theory of operation	<p>The high and low pressure switch shuts off the compressor when system pressure is too high or too low.</p> <p>The compressor is shut off when system pressure is below 1.5-0.9 bar (150-90 kPa; 22-13 psi) in the low pressure area or over 24.2-27.8 bar (2420-2780 kPa; 355-405 psi) in the high pressure area.</p> <p>The compressor is turned on when system pressure is over 2.4 bar (240 kPa; 35 psi) in the low pressure area or under 18.8-15.2 bar (1880-1520 kPa; 275-225 psi) in the high pressure area.</p>

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Air Conditioning System - Temperature Control and Compressor Switch, Component Information



LX202561-UN: Temperature Control Switch and Compressor Switch

LEGEND:

A - ON/OFF Switch for Air Conditioning System

B - Cooling Control Knob

C - Heating Control Knob

-: Temperature Control and Compressor Switch - Component Information

Designation	Temperature control and compressor switch
Type	Electrical components
Location	Right-hand side, in control console.
Control	Electric/mechanical
Theory of operation	<p>The control unit for the air-conditioning system is a combined control unit located in the cab above the right door.</p> <p>Cab heating is regulated by control knob (C), cab cooling is regulated by control knob (B).</p> <p>Heating control knob (C) is connected to the heating valve by a bowden cable; it regulates the inflow of warm air.</p> <p>Cooling control knob (B) is connected to the thermostat switch by a bowden cable; it regulates the inflow of cold air.</p> <p>Heating and cooling can be regulated independently of one another.</p> <p>The air-conditioning system ON/OFF switch (A) can be moved to two different positions.</p> <p>When the bottom of the switch (with the circle) is pressed, the compressor is shut off; when the top of the switch (snowflake symbol) is pressed, the air conditioning system is set to cooling and it dries the air. Drying means that the moisture contained in the cab air is removed (de-misting windows).</p>

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