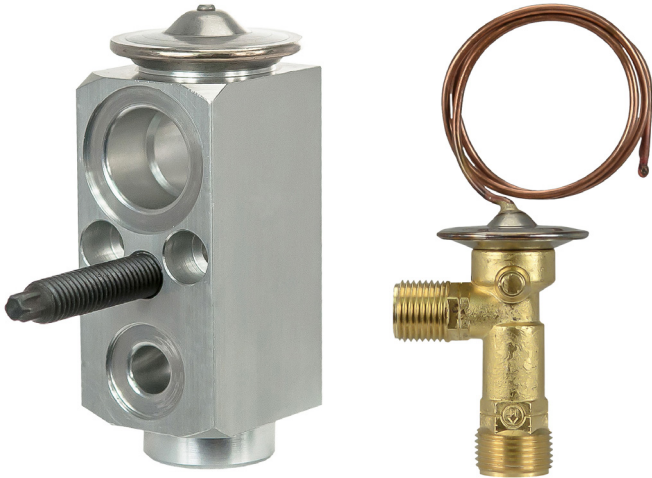


## EXPANSION VALVES



### PARTS & SERVICE OPPORTUNITY

Maintaining a heavy-duty truck's expansion valve involves keeping the A/C system clean, moisture-free, and properly charged. Key tips include replacing the receiver-drier whenever the system is opened, using proper evacuation techniques to avoid ice blockages, cleaning the condenser to prevent high-pressure issues, and replacing cabin air filters regularly to ensure proper airflow. Inspect the expansion valve for Blockage/Frost. A restricted valve will often show frost buildup or significant temperature differences between the inlet and outlet.

### EXPANSION VALVE

The expansion valve (or Thermal Expansion Valve) on a heavy-duty truck A/C system acts as a metering device that regulates the flow of refrigerant into the evaporator, converting high-pressure liquid into low-pressure spray. It ensures consistent cooling capacity based on thermal demand, preventing compressor damage and evaporator freezing.

The FleetSelect expansion valve parts listed below are for popular applications. For a complete list of expansion valve parts available, please contact or visit an authorized FleetSelect dealer.

### POPULAR EXPANSION VALVES

FleetSelect Part Number	Description	Industry XREF
450-6630	A/C Expansion Valve - Pad Mount	1000355817BSM
450-6626	A/C Expansion Valve	1000463486BSM
450-6628	A/C Expansion Valve	1000534258BSM
450-6852	A/C Expansion Valve	EA14500
450-6510	A/C Expansion Valve	SR2000015
450-6500	A/C Expansion Valve - Pad Mount	SR2000016
450-6627	A/C Expansion Valve	W2073001
450-6625	A/C Expansion Valve	Z9784001



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