Radiator and Condenser Fan Controls

Description

Fan control system:
The cooling fan system is comprised of the radiator fan, condenser fan (left and right), engine compartment fan, radiator fan low relay, radiator fan high relay, condenser fan relay, engine compartment fan relay, radiator fan resistor, radiator fan control sensor, A/C pressure switch, fan control unit, climate control unit, and ECM.

The fan control unit controls the operation of the radiator fan and condenser fans.
It uses inputs from the radiator fan control sensor and the A/C pressure switches (A and B) in the A/C system to determine when the fans should run and at what speed.
Additionally, the temperature switch shuts down the A/C system if the engine coolant temperature (ECT) exceeds 266°F (130°C). If the pressure in the A/C system is higher than normal, pressure switch A closes and the fans will run at high speed only. See the A/C section for the description and specifications of that function.

Function / Operating Condition	Starts at	Stops at
Radiator fan runs at low speed	183°F (84°C)	172°F (78°C)
Radiator fan runs at high speed, and engine compartment fan runs	194°F (90°C)	183°F (84°C)
A/C system shut-down	266°F (130°C)	262°F (128°C)