Radiator and Condenser Fan Controls

Description

Fan control system:

The cooling fan system is comprised of radiator fan, condenser fan (left, right), engine compartment fan, radiator fan low relay, radiator fan high relay, condenser fan relay, engine room fan relay, radiator fan resistor, coolant temperature sensor, A/C pressure switch, cooling fan control unit, climate control unit, and PGM-FI ECU.

The fan control unit controls the operation of the radiator fan and condenser fan.
It uses inputs from the coolant temperature sensor and A/C pressure switch (A and B) on 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 coolant temperature exceeds 130°C (266°F). 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 description and specification of that funciton.

Function / Operating Condition	ON	OFF
At low speed	84°C (183°F)	78°C (172°F)
At high speed	90°C (194°F)	84°C (183°F)
A/C cut	130°C (266°F)	128°C (262°F)

Fans operating condition:

Operating condition / Fans	At low speed	At high speed
Radiator fan motor	ON	ON
Engine compartment fan motor	OFF	ON