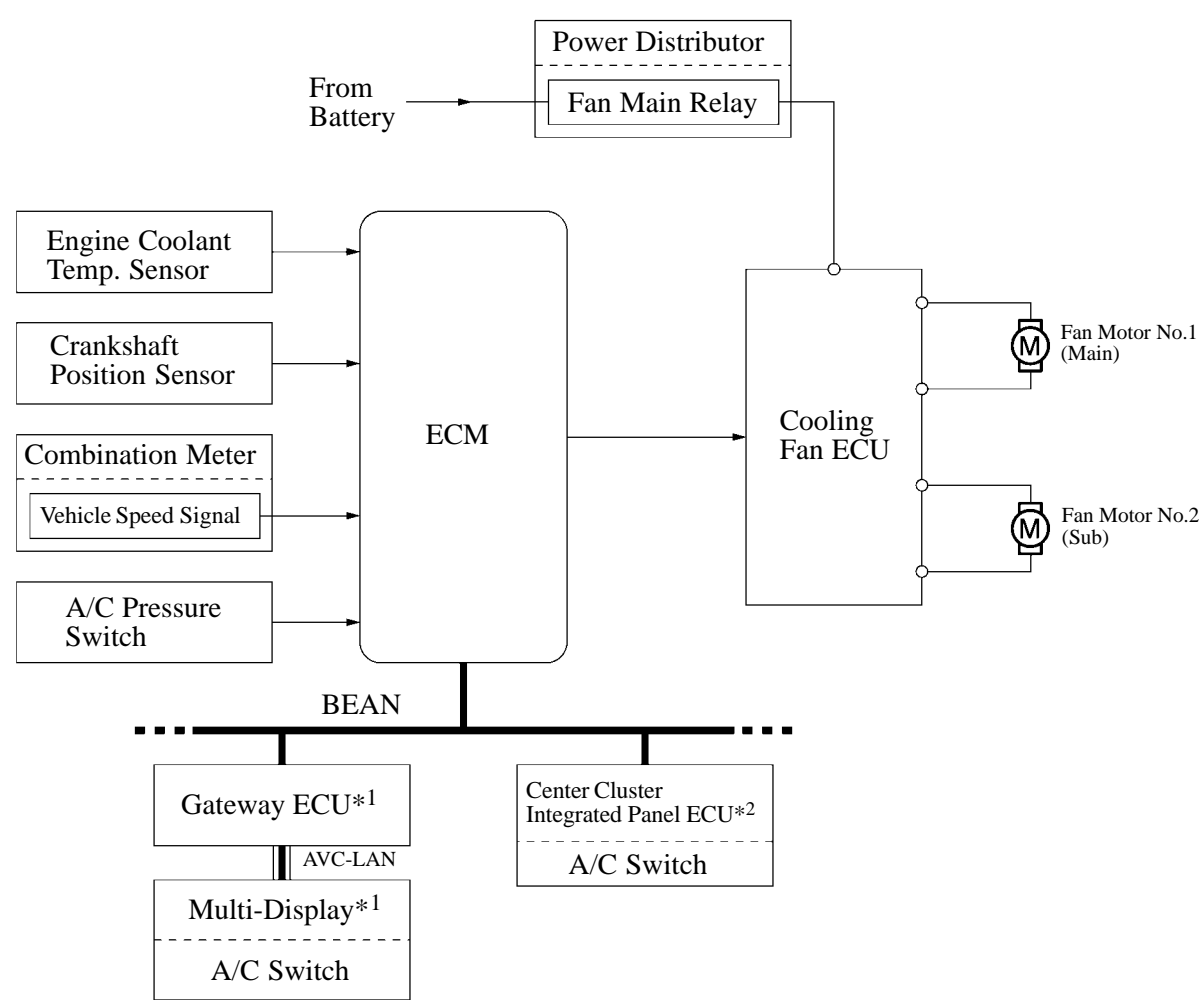


11. Cooling Fan System

General

A cooling fan system has been adopted by the 3MZ-FE engine on the '04 RX330. To achieve an optimal fan speed in accordance with the engine coolant temperature, vehicle speed, engine speed, and air conditioning operating conditions, the ECM calculates the proper fan speed and sends the signals to the cooling fan ECU. Upon receiving the signals from the ECM, the cooling fan ECU actuates the fan motors. Also, the fan speed is controlled by the ECM using the stepless control.

► Wiring Diagram ◀

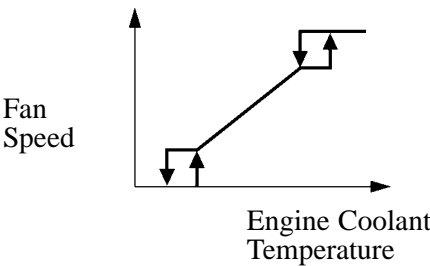


*1 : with Multi-Display
*2 : without Multi-Display

Operation

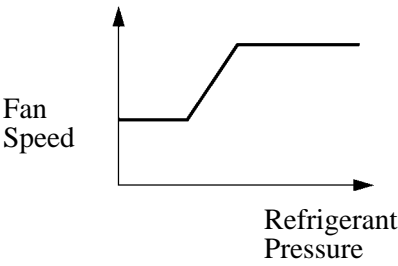
As illustrated below, the ECM determines the required fan speed by selecting the fastest fan speed from among the following:

(A) The fan speed required by the engine coolant temperature, (B) the fan speed required by the air conditioning refrigerant pressure, (C) the fan speed required by the engine speed, and (D) the fan speed required by the vehicle speed.



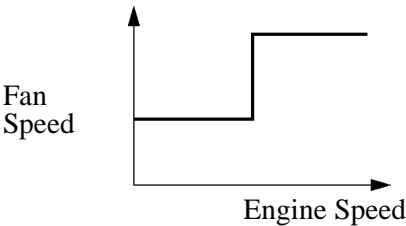
(A) Fan speed required by Engine coolant temperature

189EG13



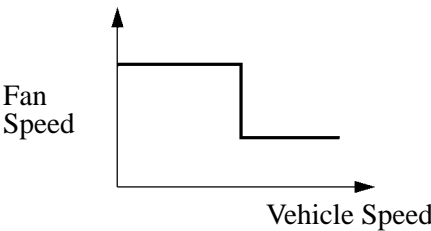
(B) Fan speed required by air conditioning refrigerant pressure

189EG14



(C) Fan speed required by engine speed

189EG15



(D) Fan speed required by vehicle speed

189EG16