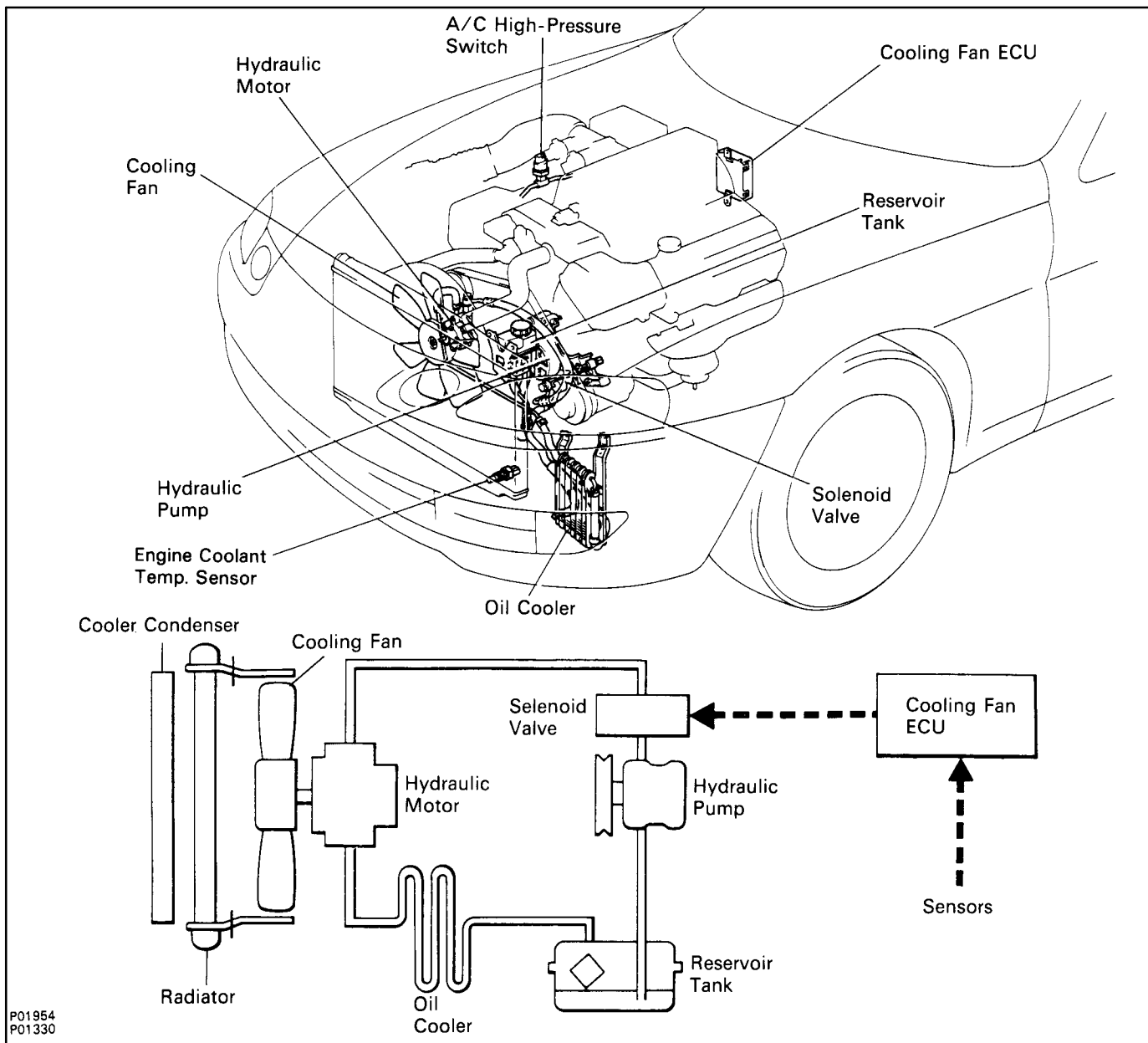


ELECTRONICALLY CONTROLLED HYDRAULIC COOLING FAN

Description

In this way system, the cooling fan ECU controls the hydraulic pressure acting on the hydraulic motor, thus controlling the speed of the cooling fan steplessly in response to the condition of the engine and air conditioning.

Operation



The hydraulic pump is driven by a drive belt (V-ribbed belt). The solenoid valve adjusts the volume of oil sent from the hydraulic pump to the hydraulic motor which drives the fan directly, thereby controlling the fan speed.

Oil which has passed through the hydraulic motor is cooled by the oil cooler before returning to the reservoir tank.

The solenoid valve is controlled by the computer in accordance with the E/G rpm, engine coolant temp. and A/C signals.