

# Fans

## – How the Circuit Works

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### **Climate Control**

Voltage is provided at all times to the radiator fan relay contacts through fuse 11 (in the under-hood fuse/relay box), and to the A/C condenser fan relay contacts through fuse 19 (in the under-hood fuse/relay box). With the ignition switch in ACC (I) or ON (II), voltage is provided to the coils of the relays through fuse 16 (in the under-dash fuse/relay box).

The relays are grounded by either the radiator fan switch or by the ECM (only the A/C condenser fan relay). Grounding the relays energizes their coils and applies battery voltage to the radiator and A/C condenser fan motors. Both fans then run until the fan switch or the ECM remove ground from the relay coils.

### **except Climate Control**

Voltage is provided at all times to the radiator fan relay contacts through fuse 11 (in the under-hood fuse/relay box). With the ignition switch in ACC (I) or ON (II), voltage is provided to the coil of the relays through fuse 16 (in the under-dash fuse/relay box.)

The relay is grounded by the radiator fan switch. Grounding the relay energizes the coil and applies battery voltage to the radiator fan motor. The fan will then run until the fan switch removes ground.

Refer to the Service Manual (Section 10, Cooling System) for specific tests and troubleshooting procedures.