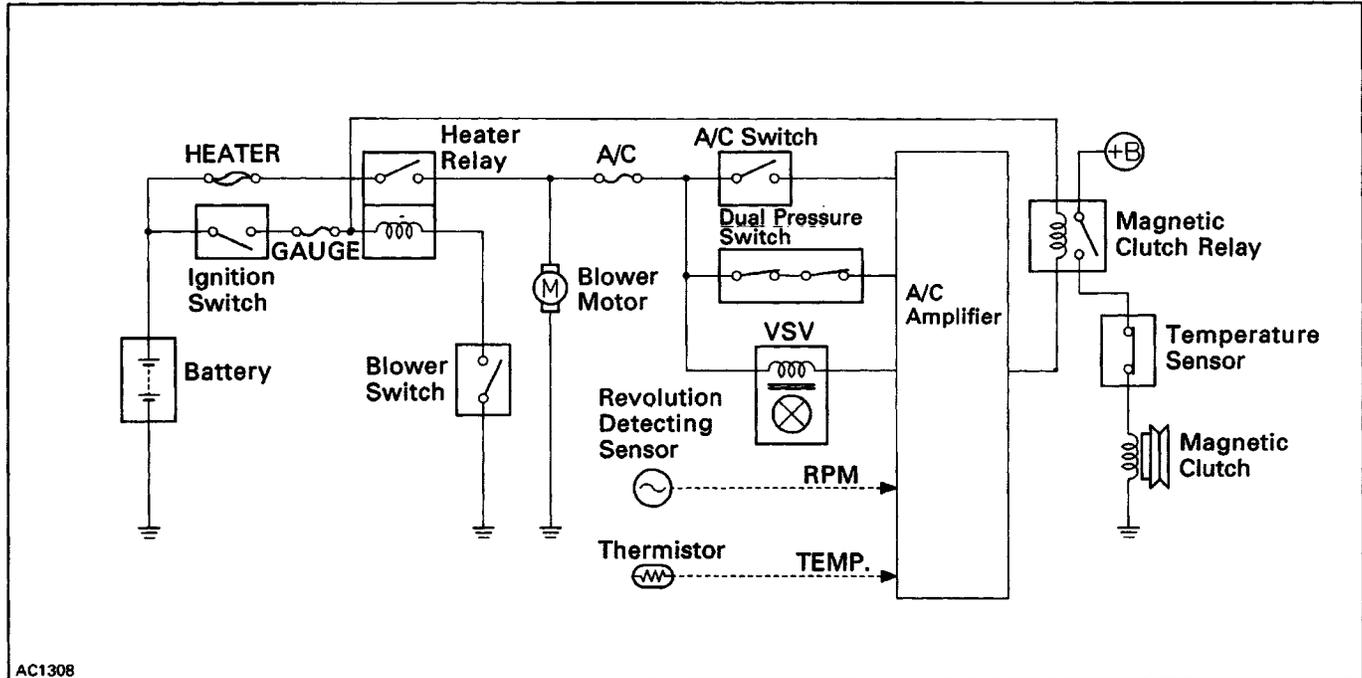


PRINCIPLE OF A/C ELECTRICAL CIRCUIT



HOW IS MAGNETIC CLUTCH ENERGIZED?

The general process until the magnetic clutch is energized is shown below.

(1) Ignition Switch "ON"

(2) Blower Switch "ON" → Heater Relay "ON" (Blower Motor "RUN")

(3) A/C Switch "ON" → A/C Amplifier "ON" (A/C Amp. Main Power Supply)

(4) Dual Pressure Switch "ON":

Refrigerant Condition (206 kPa (2.1 kgf/cm², 30 psi) less than 2,648 kPa (27 kgf/cm², 384 psi)).

(5) Thermistor supplies temperature signal of evaporator to A/C amplifier.

(6) VSV "ON" → E/G Idle UP

(7) Magnetic Clutch Relay "ON"

(8) Temperature Sensor "ON".

Temperature of Temperature Sensor is less than 180°C (356°F).

(9) Magnetic Clutch "ON"

(10) Revolution Detecting Sensor supplies RPM signal of compressor to A/C amplifier.

If compressor is not locked, magnetic clutch is continuously energized.

DAMPERS POSITIONS

