

# CONDENSER FAN ON-VEHICLE INSPECTION

AC25X-01

## 1. INSPECT CONDENSER FAN OPERATION

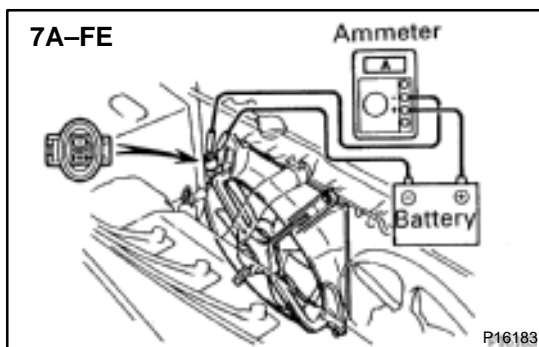
Inspect the fan operation at these conditions, as shown in the chart.

Test conditions:

- Start engine
- Blower speed control switch position "HI"
- Temperature control dial at "COOL" position
- Set on manifold gauge set
- A/C switch ON

Condition	Fan operation (Fan speed)
Engine coolant temperature 88 °C (190 °F) or below	Rotate (Low speed)
Engine coolant temperature 98 °C (208 °F) or above	Rotate (High speed)
Refrigerant pressure is less than 1,520 kPa (15.5 kgf/cm <sup>2</sup> , 220 psi)	Rotate (Low speed)
Refrigerant pressure is 1,520 kPa (15.5 kgf/cm <sup>2</sup> , 220 psi) or above	Rotate (High speed)

If operation is not as specified, proceed to the next inspection.



## 2. INSPECT CONDENSER FAN MOTOR OPERATION

- Disconnect the connector.
- Connect battery and ammeter.
- Check that the fan rotates smoothly, and then check the reading on the ammeter.

**Specified amperage:**

**7A-FE: 6.7 ± 1.0 A**

**5S-FE: 6.9 ± 0.5 A**

- If operation is not as specified, replace the fan motor.
- If operation is as specified, check the pressure switch, cooling fan relays and engine coolant temp. switch.

