SYSTEM DESCRIPTION

- 1. GENERAL
 - (a) The air conditioning system has the following features:
 - In accordance with the temperature set using the temperature control switch, the air conditioning amplifier determines the outlet temperature based on the input signals from various sensors. In addition, corrections are made in accordance with the signals from the water temperature sensor to control the outlet air temperature.
 - Controls the blower motor in accordance with the airflow volume determined by the air conditioning amplifier based on the input signals from various sensors.
 - Automatically changes the outlets in accordance with the outlet mode ratio that is determined by the air conditioning amplifier based on the input signals from various sensors.
 - Based on the signals from the ambient temperature sensor, this system calculates the outside temperature and indicates it in the multiinformation display in the combination meter assembly.
 - The left/right independent temperature control and neural network control make air conditioner control available to suit the persons in the driver seat and in the passenger seat.
 - Turns the rear defogger and outside rear mirror heaters on for 15 minutes when the rear defogger switch is pressed. Turns them off if the switch is pressed while they are operating.
 - Checks the sensors in accordance with the operation of the air conditioner switches.
 - The air conditioning amplifier has the function of controlling the indicator lighting.



2. MODE POSITION AND DAMPER OPERATION



AC

| Control Damper | | Control Position | Damper Position | Operation | |
|--|------------------------------------|---|--------------------|---|--|
| Air Inlet Control Damper | | FRESH | А | Brings in fresh air. | |
| | | RECIRC | В | Recirculates internal air. | |
| Air Mix Control Damper (Left/ Right Independent Control) | Driver and Front Passenger Side | MAX COOL to MAX HOT (TEMP. SETTING 18 to 32°C (65 to 85°F)) | C, D, E | Varies mixture ratio of fresh air and recirculation air in order to regulate temperature continuously from HOT to COOL. | |

AIR CONDITIONING – AIR CONDITIONING SYSTEM (for Automatic Air Conditioning System)

| Control Damper | | Control Position | Damper Position | Operation | | | |
|----------------|------------------|------------------|--------------------|--|--|--|--|
| | | FACE | | | | | |
| | | <i>~</i> | I, J, L, P, U | Air blows out of center registers and side registers. | | | |
| | | BI-LEVEL | | | | | |
| | | *** | I, Q, M, R, T | Air mainly blows out of center registers, side registers, and footwell register ducts. | | | |
| Mode Control | Driver and Front | FOOT | H, K, N, O, | Air mainly blows out of front and rear footwell register ducts. | | | |

FOOT/DEF

DEF

Film Damper

Passenger Side

S

Т

U

G, K, N, O,

F, K, N, O,

registers.



AC-15

In addition, air blows out slightly from front and

Air mainly blows out of front and side defrosters

to defrost windshield. Air also blows out from

front and rear footwell register ducts, and side

Air blows out of front and side defrosters and

side defrosters, and side registers.

side registers to defrost windshield.

AC-16 AIR CONDITIONING – AIR CONDITIONING SYSTEM (for Automatic Air Conditioning System)

The circle size (O) indicates the proportion of the flow volume.

| Air Outlet Mode | | Air Outlet Position Symbol | | | | |
|-----------------|----------|----------------------------|-----------|------|-----------|--|
| | | Α | В | С | D | |
| | | Center Face | Side Face | Foot | Defroster | |
| <i>;</i> ; | FACE | 0 | 0 | Х | Х | |
| ** | BI-LEVEL | 0 | 0 | 0 | х | |
| ئ ہر | FOOT | х | 0 | 0 | 0 | |
| \$ \$ \$ | FOOT/DEF | х | 0 | 0 | 0 | |
| | DEF | x | 0 | x | 0 | |

AC