Heater and Air Conditioner System Outline

List of Main Descriptions of Heater & Air conditioner System

Item	Description
Air conditioner system	• All models use a multi-zone auto air conditioner in front, which uses auto air conditioner control employing a neural network*. Thus, this system provides a more comfortable air conditioner performance to suit the sensory feel of the occupants.
Air conditioner Unit & Air Duct	• A brushless motor, in which a blower motor and a blower motor controller are integrated, is used. This realizes space savings and provides ample space in the footwell area for the front passenger. • A wide-angle, compact, high-flow defroster is used.
Evaporator	• An RS (Revolutionary Super Slim) evaporator that is dramatically compact and lightweight is used.
Heater core	• A compact and high performance SFA-II (Straight Flow Aluminum-II) heater core is used.
Clean air filter	• A clean air filter is provided on all models as standard equipment.
Room Temperature Sensor	• A sensor that is equipped with a humidity detection function is used.
Compressor	• All models use an externally controlled, continuously variable capacity compressor to improve fuel economy.
Condenser	• A highly efficient and lightweight sub-cool condensing is used.
Refrigerant	• To address the concerns on the destruction of the ozone layer, HFC-134a (R-134a), a refrigerant that does not contain chlorine, is used in the air conditioner.

❖REFERENCE❖

* The neural network is an engineering application that imitates the data processing method of the nervous system of a living organism. It can effect complex control by correlating the mutual relationships among complex inputs and outputs as skillfully as the human brain.