

## ■ BODY ELECTRICAL SYSTEM CONTROL

### 1. Multiplex Communication System

#### General

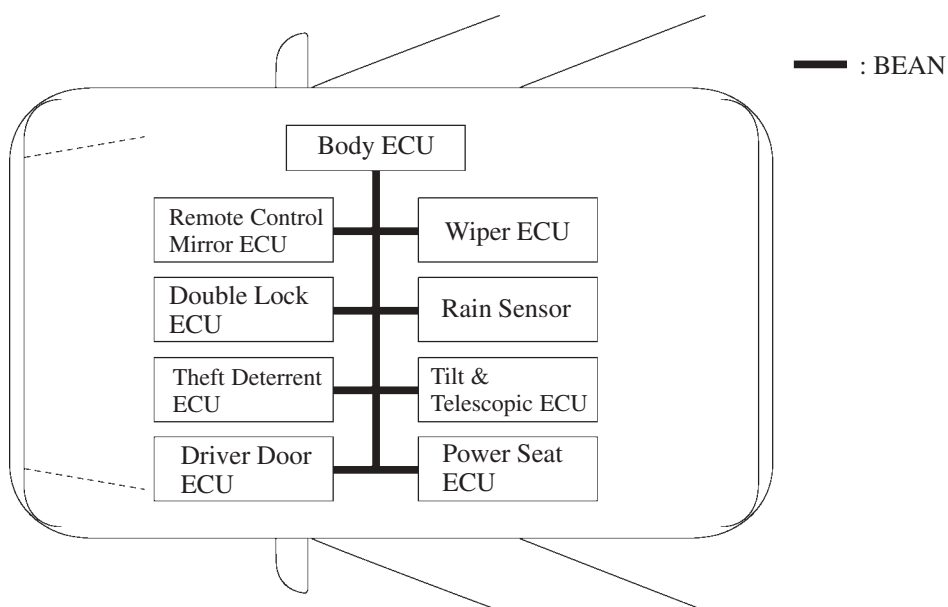
- The configuration of the BEAN (Body Electronics Area Network) has been changed in accordance with the addition of equipment.  
This system is divided into two buses: the bus in which communication is centered on the body ECU, and the bus in which communication is centered on the engine ECU.
- The instrument ECU is based on the previous model. On the new model, the body ECU provides additional control functions in order to comprehensively control the body electrical system.
- The communication between the control signals related to the audio and visual systems and the gateway ECU is established via the AVC-LAN (Audio Visual Communication-Local Area Network). The transmission of the signals exchanged between BEAN and AVC-LAN is carried out by the gateway function of the gateway ECU.
- A customized body electronic system is used in order to set the control functions of the ECUs through the use of a hand-held tester.

#### ► ECUs that Support Multiplex Communication System ◀

Destination	G.C.C. and General Countries Model		Australia			Europe	
Engine	1FZ-FE 1HZ	2UZ-FE 1HD-FTE	1HZ	2UZ-FE 1HD-FTE	2UZ-FE 1HD-FTE	1HD-FTE	2UZ-FE
Grade	STD GX	VX	STD	GX	VX	VX	VX
Body ECU	○	○	○	○	○	○	○
Driver Door ECU	△	○	—	△	○	○	○
Theft Deterren ECU	△	○	—	—	—	○	○
Double Lock ECU	—	—	—	—	—	△	△
Power Seat ECU	—	—	—	—	—	△	△
Tilt & Telescopic ECU	—	△	—	—	△	△	△
Remote Control Mirror ECU	—	—	—	—	—	△	△
Wiper ECU	—	—	—	—	—	△	△
Rain Sensor	—	—	—	—	—	△	△
Engine ECU	—	○	—	○	○	—	○
Meter ECU	—	○	—	○	○	—	○
A/C ECU	—	—	—	—	—	—	△
Gateway ECU	—	—	—	—	—	△	△
Multi Display	—	—	—	—	—	△	△

○: Standard    △: Option    —: Not supported or not provided

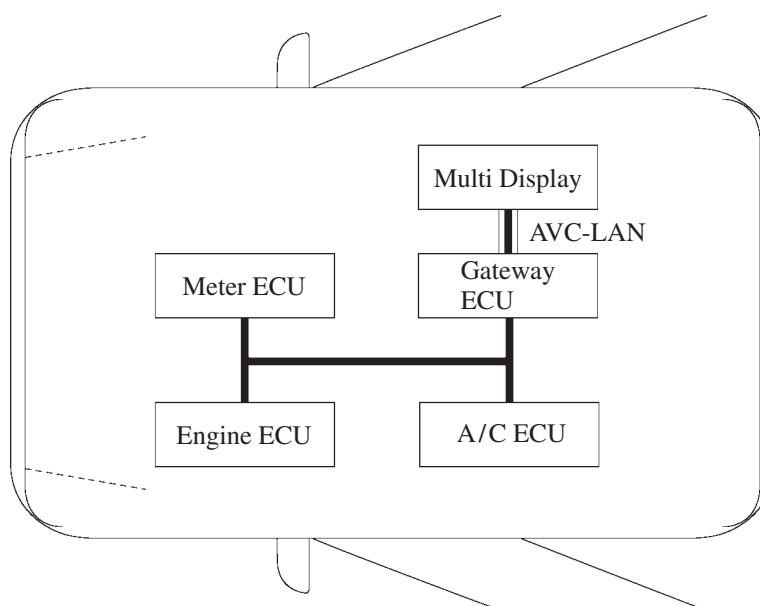
## System Diagram



Bus centered on Body ECU

229LC142

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Bus centered on Engine ECU

229LC143

## Layout of Main Component

