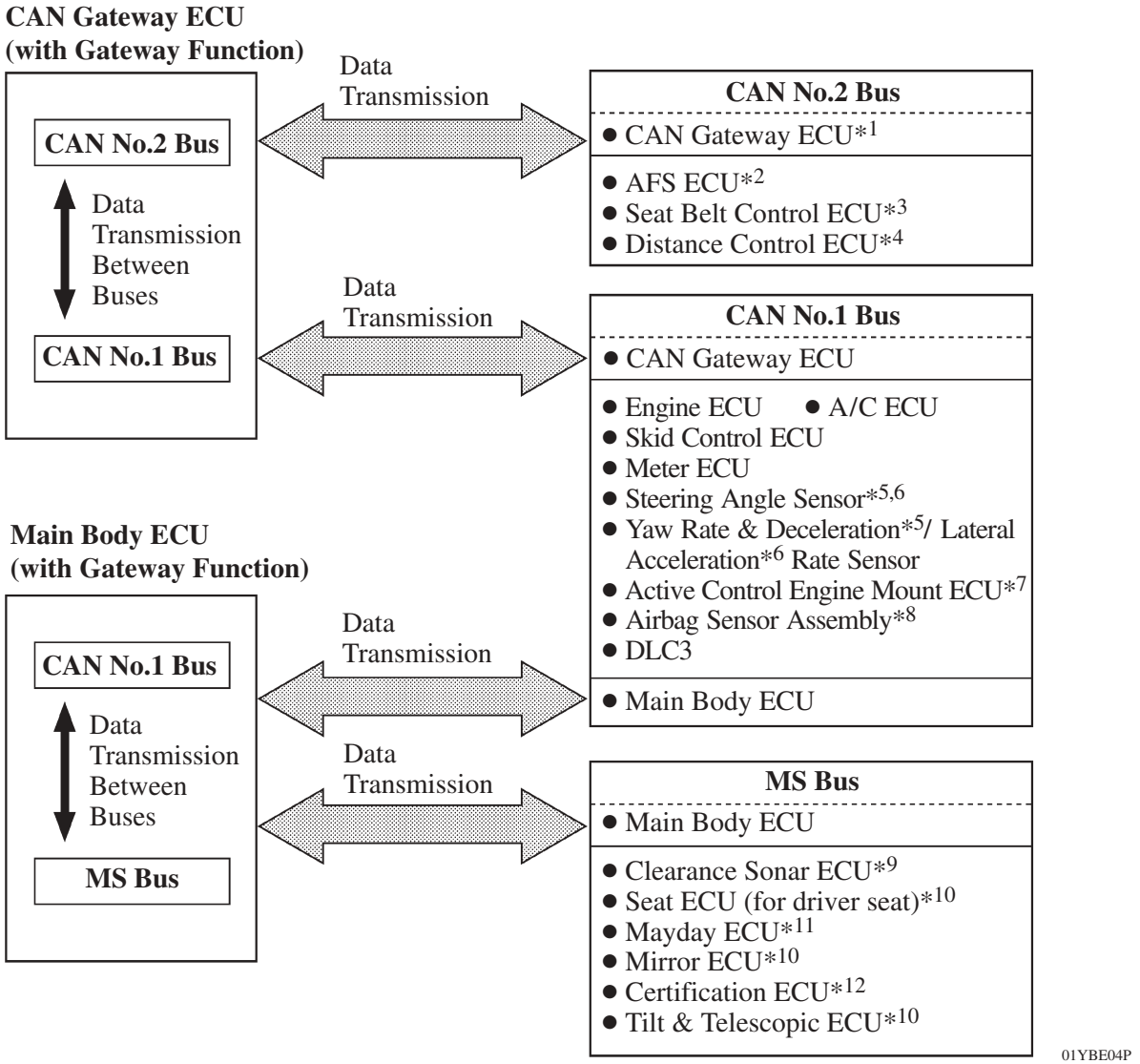
■CAN

1. General

- The new Camry uses two types of CAN that have different communication speeds: HS-CAN (500kbps) and MS-CAN (250kbps).
- The HS-CAN consists of the CAN No.1 bus and CAN No.2 bus. The terminating resistors of the CAN No.1 bus are built into the engine ECU and meter ECU, and those of CAN No.2 bus are built into the CAN gateway ECU and junction connector (front LH).
- The MS-CAN consists of the MS bus. The terminating resistors of the MS bus are built into the main body ECU and certification ECU. For models without the smart entry and state system, the terminating resistors are built into the junction connector RH II.
- ECUs with the gateway functions are used to transmit data between buses (the CAN gateway ECU is used for data transmission between the CAN No.1 bus and the CAN No.2 bus, and the main body ECU is used between the CAN No.1 bus and the MS bus).

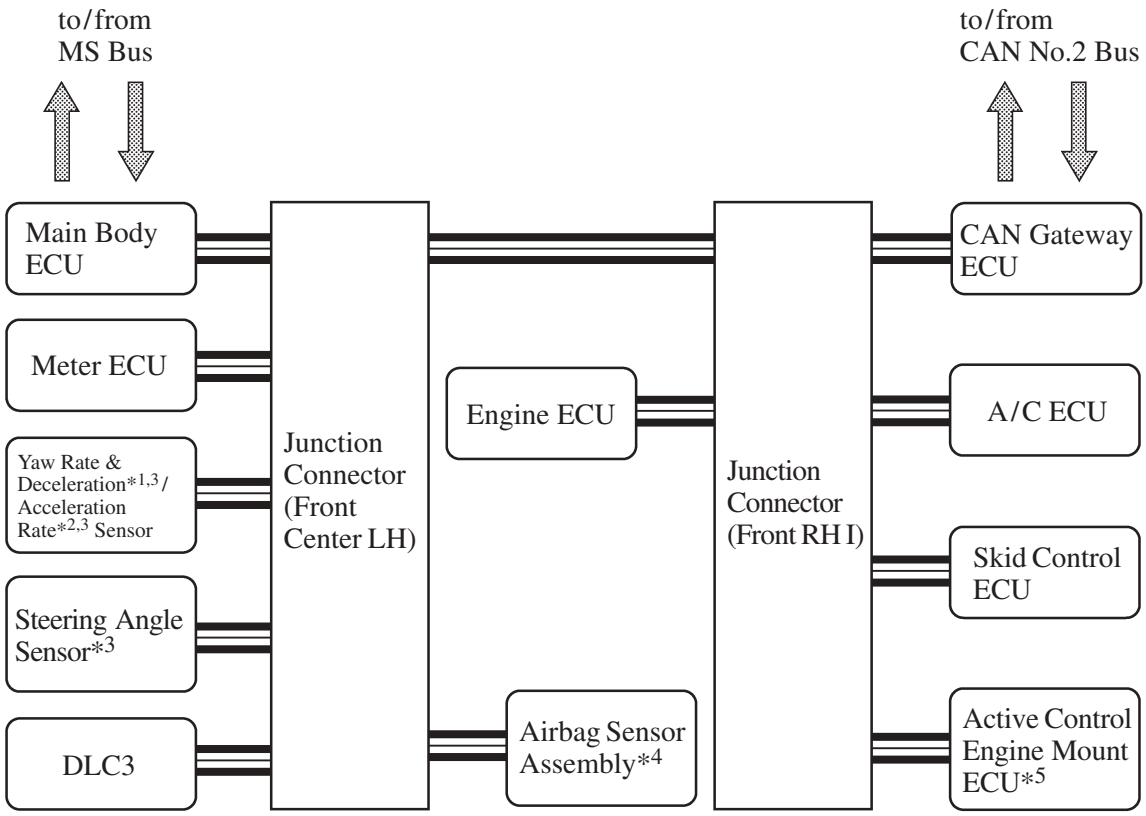
▶ Image of Data Transmission between Buses ◀



01YBE04P

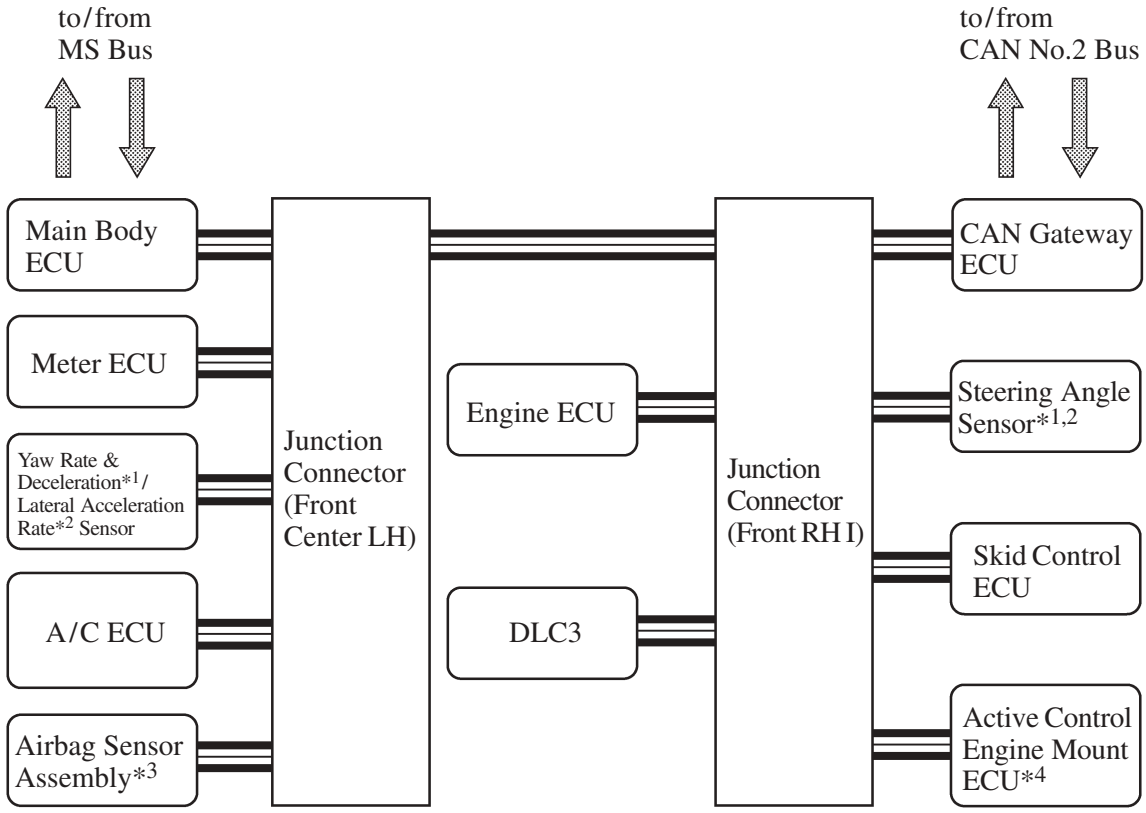
*1: Installed only when CAN No.2 bus is used
*2: Models with intelligent AFS
*3: Models with the pre-crash safety system
*4: Models with the dynamic radar type cruise control system
*5: Except 2AZ-FE engine models with vehicle stability control (VSC) system for Australia and G.C.C. Countries
*6: 2AZ-FE engine models with vehicle stability control (VSC) system for Australia and G.C.C. Countries
*7: Models with the power tilt & power telescopic column
*8: Models with SRS airbag system
*9: Models with the Toyota parking assist system
*10: Models with the memory system
*11: Models with the Toyota Link system
*12: Models with the smart entry and start system

▶ CAN No.1 Bus ◀



LHD Model

02KBE02Y



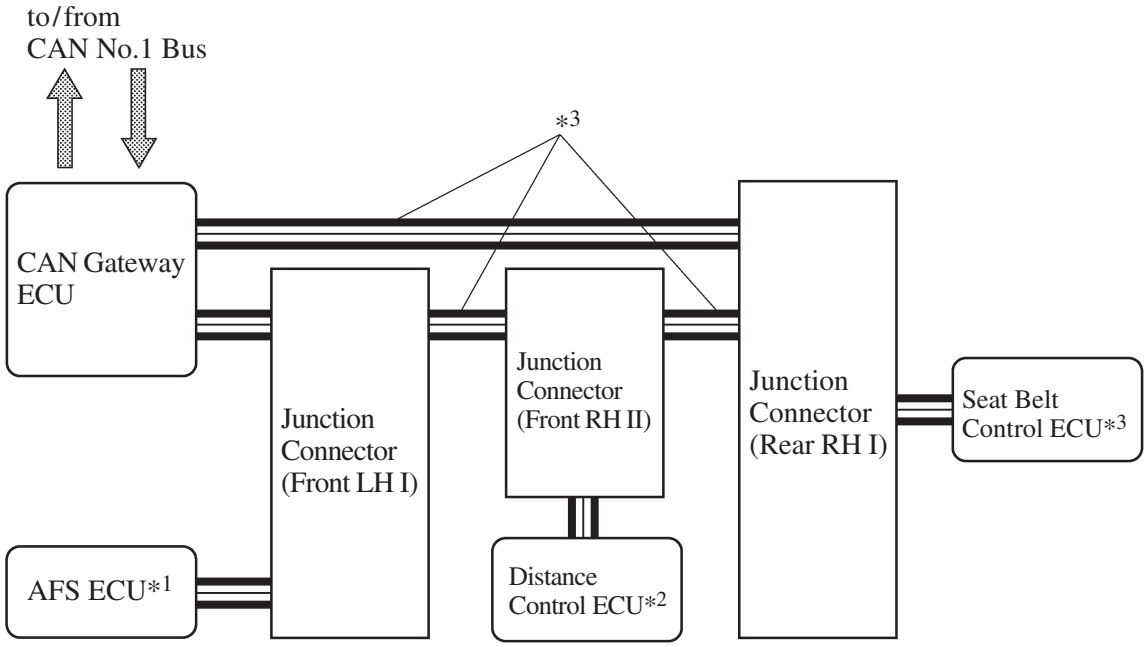
RHD Model

02KBE127Y

*1: Except 2AZ-FE engine models with vehicle stability control (VSC) system for Australia and G.C.C. Countries
*2: 2AZ-FE engine models with vehicle stability control (VSC) system for Australia and G.C.C. Countries
*3: Models with the SRS airbag system
*4: Models with the power tilt & power telescopic column

BE

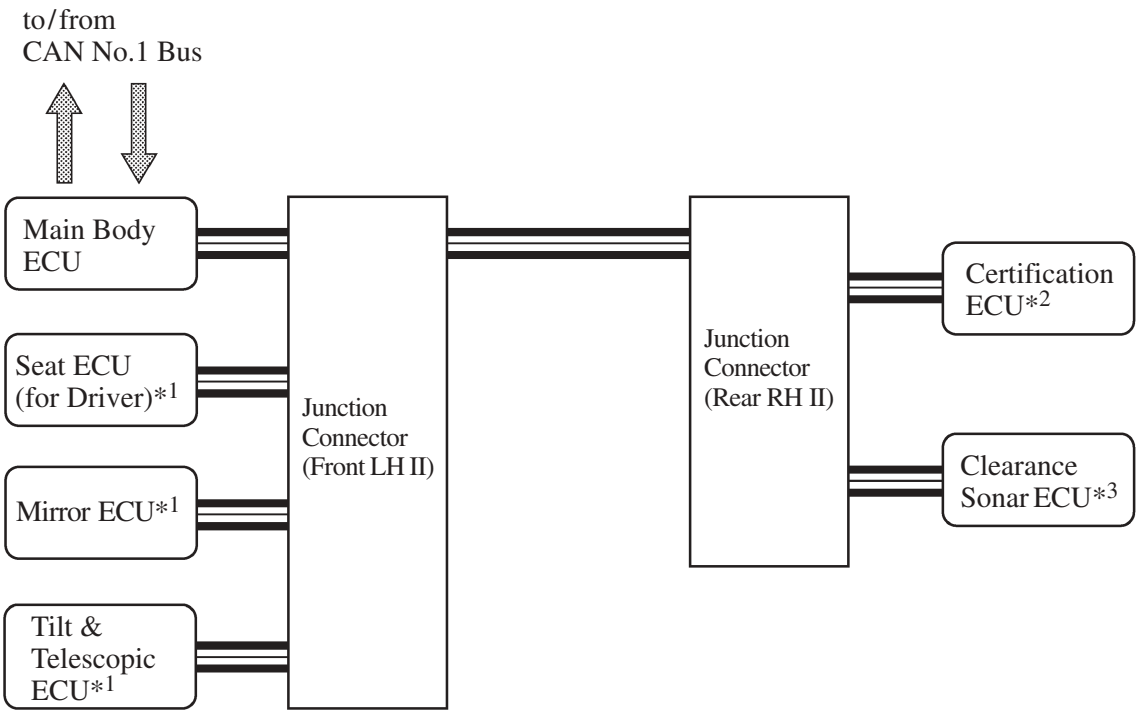
▶ CAN No.2 Bus ◀



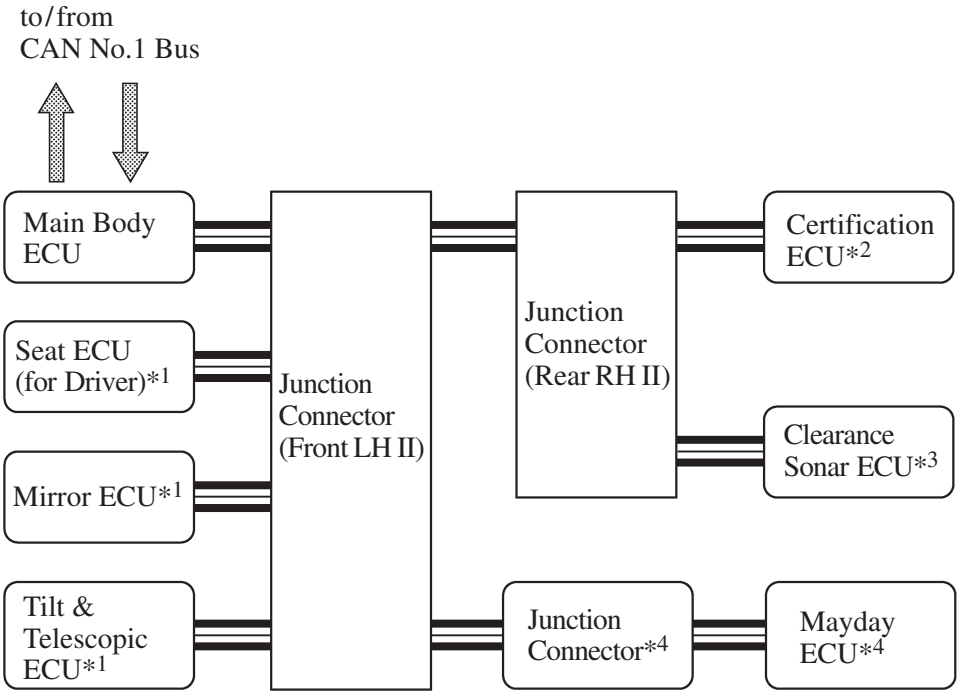
02KBE03Y

*1: Models with intelligent AFS
*2: Models with the dynamic radar type cruise control system
*3: Models with the pre-crush safety system

▶ MS Bus ◀



LHD Model

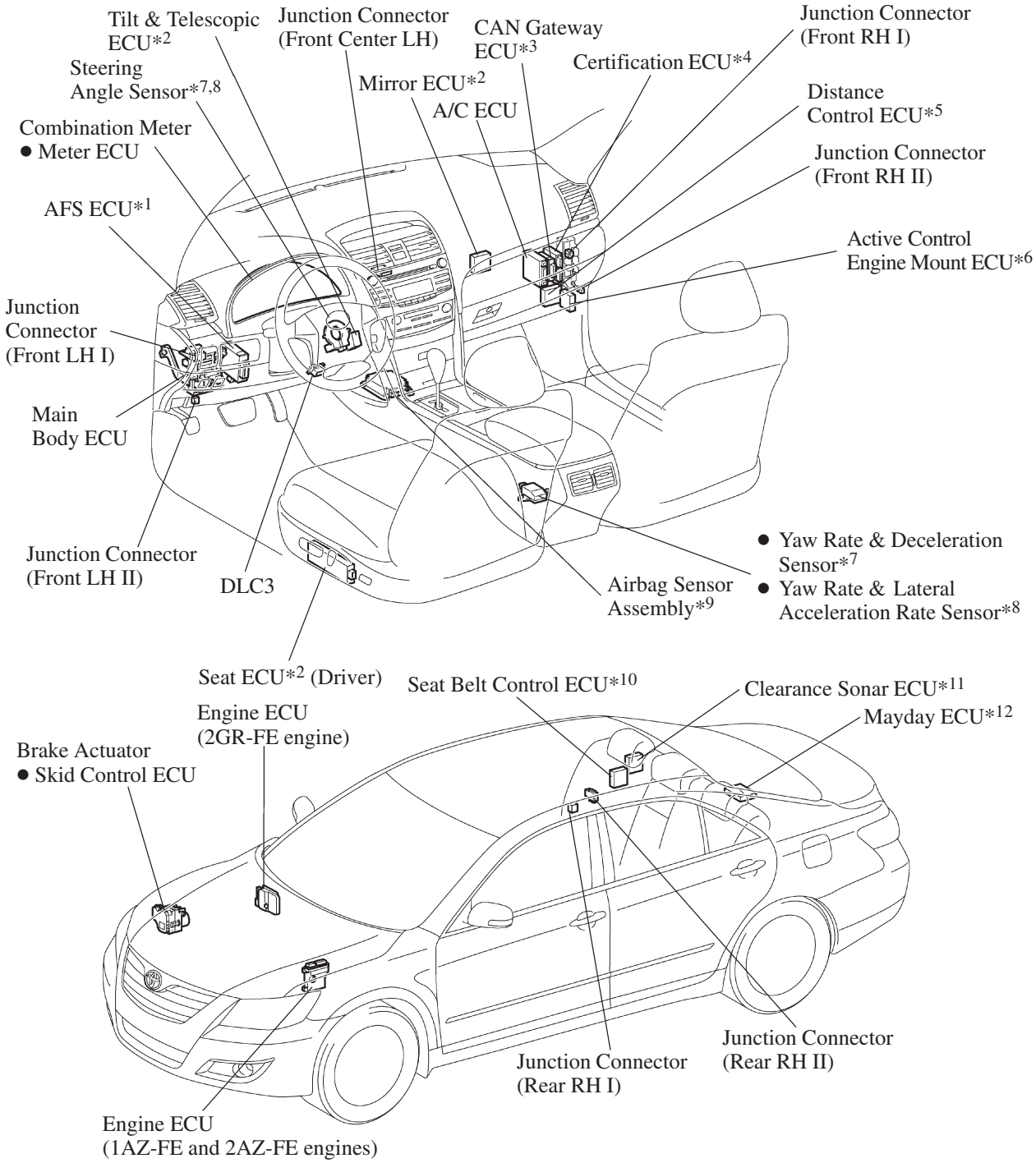


RHD Model

*1: Models with the memory system
*2: Models with the smart entry and start system
*3: Models with the Toyota parking assist system
*4: Models with the Toyota Link system

BE

2. Layout of Main Components



LHD Model

02KBE05TE

*1: Models with the intelligent AFS
*2: Models with the memory system
*3: Installed only when CAN No.2 bus is used
*4: Model with the smart entry and start system
*5: Models with the dynamic radar cruise control system
*6: Models with the power tilt & power telescopic column
*7: Except 2AZ-FE engine models with vehicle stability control (VSC) system for Australia and G.C.C. Countries
*8: 2AZ-FE engine models with vehicle stability control (VSC) system for Australia and G.C.C. Countries
*9: Models with the SRS airbag system
*10: Models with the pre-crush safety system
*11: Models with the Toyota parking assist system
*12: Models with the Toyota Link system

3. Diagnosis

- If a malfunction occurs on the CAN communication line, the ECU that is connected to the CAN communication line stores the DTC (Diagnostic Trouble Code) in its memory.
- The 5-digit DTC can be read by connecting an intelligent tester II to the DLC3.
- The DLC3 is equipped with CAN-H and CAN-L terminals for CAN diagnosis. It is possible to determine if there is an open or short in the main wire of the CAN No.1 bus by measuring the resistance value between these terminals. For details, see the Camry Repair Manual.