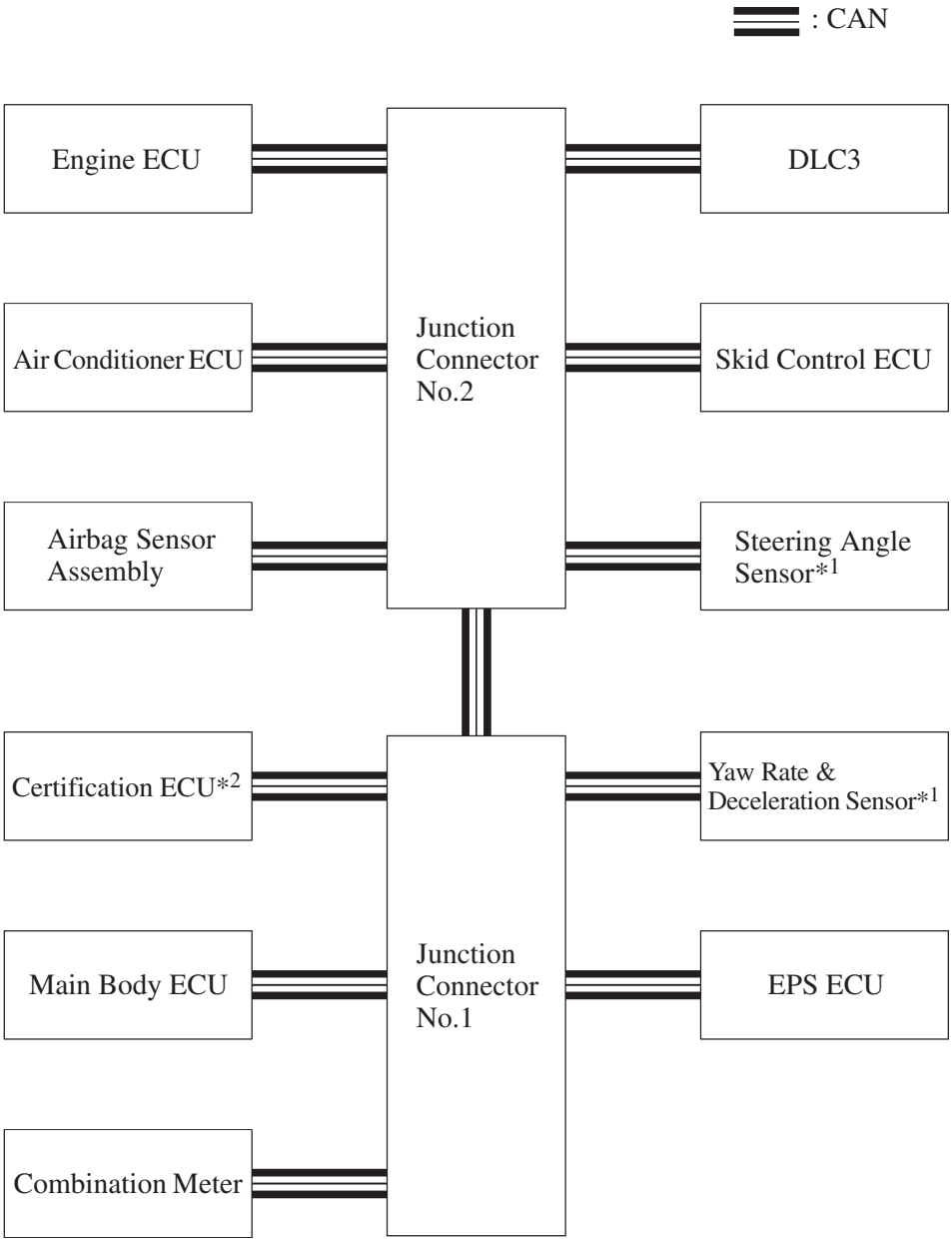
BODY ELECTRICAL

MULTIPLEX COMMUNICATION

■ DESCRIPTION

- On the new models, multiplex communication in which many different ECUs are linked to a bus line and data are mutually transmitted among the ECUs through the line is used.
- On the new models, CAN (Controller Area Network) is used among the ECUs as shown below.

▶ System Diagram ◀



*1: Only for Models with VSC System
*2: Only for Models with Smart Entry & Start System

00SBE12Y

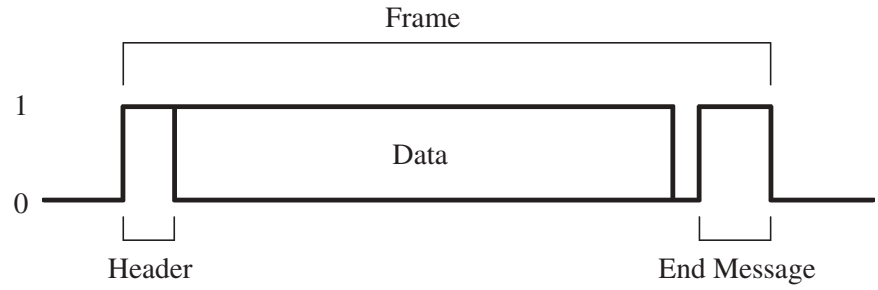
TMC (Toyota Motor Corporation) LHD Models

— REFERENCE —

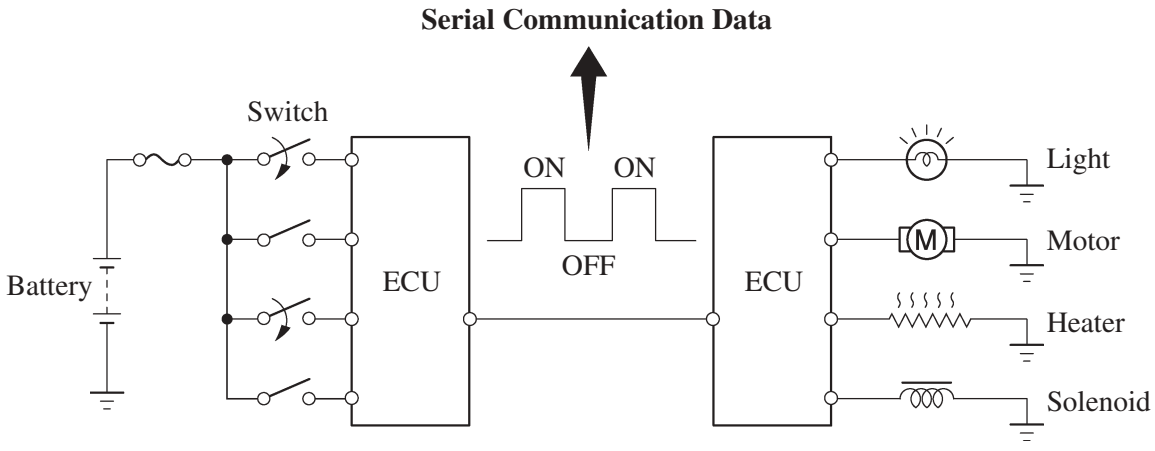
Multiplex communication uses serial communication data that consists of bits and frames in order to exchange information among the various ECUs. This allows a reduction of the amount of wiring on the vehicle.

- *A bit is the basic unit of communication that is used to represent the information. A bit is represented by binary values of "0" or "1".*
- *A frame is a body of data that is transmitted together. A frame contains a header that indicates the beginning, and an end message that indicates the end.*

▶ Conceptual Drawing ◀



240BE05



240BE03