■ MULTIPLEX COMMUNICATION

1. General

In addition to Controller Area Network (CAN) communication, Local Interconnect Network (LIN) communication and Audio Visual Communication Local Area Network (AVC-LAN) communication, a Media Oriented System Transport (MOST) communication that is used for the audio system has been newly provided.

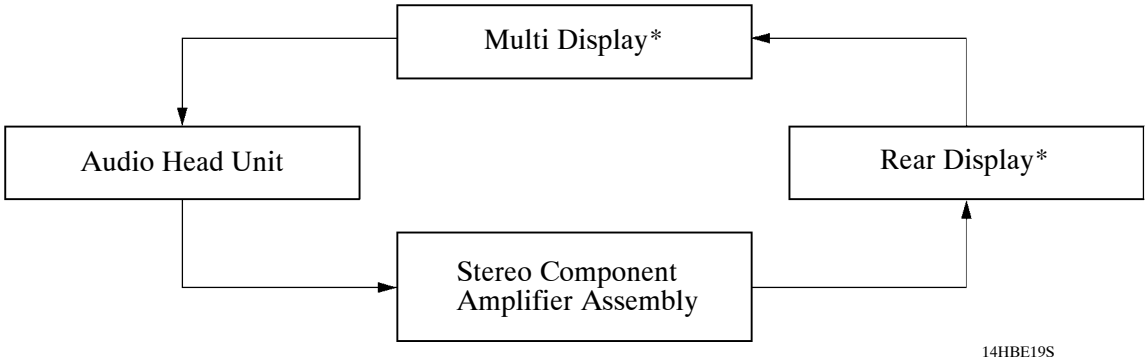
▶ Differences between MOST, CAN, LIN and AVC-LAN ◀

Protocol	MOST	CAN		LIN	AVC-LAN
		HS-CAN	MS-CAN		
Communication Speed	Max. 50 Mbps*	500 kbps*	250 kbps*	Max. 20 kbs*	Max. 17.8 kbps*
Communication Wire	Shielded Twisted-pair Wire	Twisterd-pair Wire		AV Single Wire	Twisted-pair Wire
Drive Type	Differential Voltage Drive	Differential Voltage Drive		Single Wire Voltage Drive	Differential Voltage Drive
Data Length	0 – 128 Byte (Variable)	1 – 8 Byte (Variable)		2, 4, 8 Bytes (Variable)	0 – 32 Byte (Variable)

*: bps: Abbreviation for “Bits Per Second”, indicating the number of bits that can be transmitted per second.

2. MOST

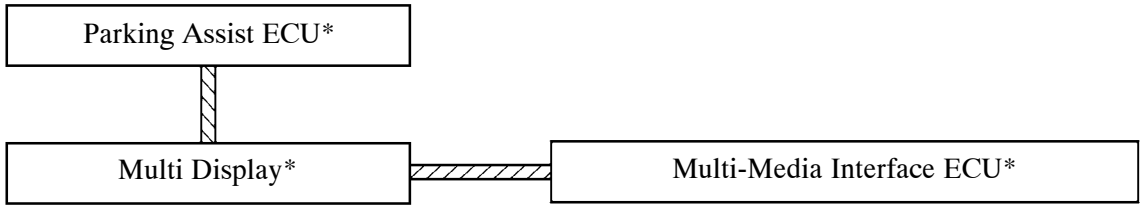
- The Media Orientated System Transport (MOST) communication system is used to transmit and receive signals between the audio head unit, stereo amplifier, multi display, and rear display.
- The MOST communication system is a communication protocol that offers a baud rate of 50 Mbps and conforms to the international standard.
- The MOST communication system allows a variety of data such as audio data to be sent and received.



*: Optional Equipment

3. AVC-LAN

- Since the MOST communication system has been newly provided, the AVC-LAN communication system, which was used to communicate between the multi display and audio head unit, has been discontinued.
- The AVC-LAN communication system has been newly added between the multi display and Multi-Media Interface ECU.



14HBE18S

*: Optional Equipment

4. Customized Body Electronics System

- The power window customize function initial setting value has been changed from “with function” to “without function” on all models.