

MULTI AV SYSTEM

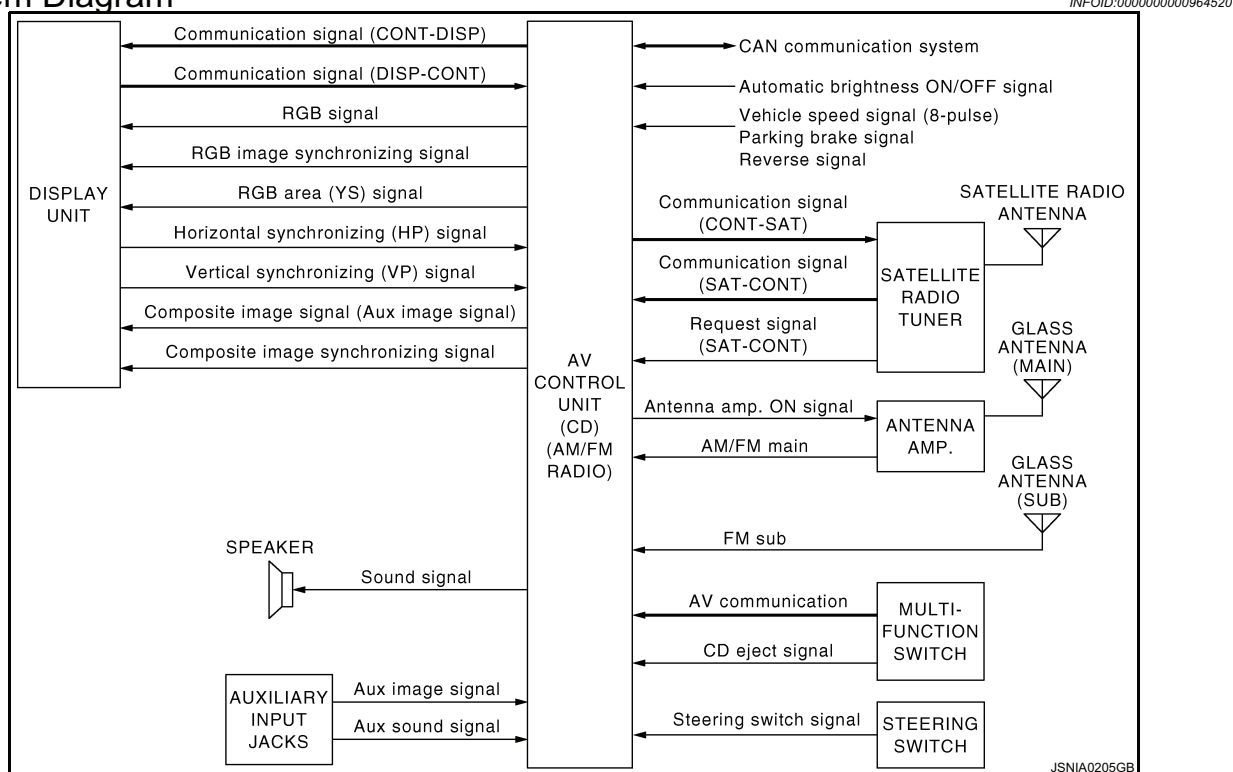
< FUNCTION DIAGNOSIS >

[BASE AUDIO WITHOUT NAVIGATION]

FUNCTION DIAGNOSIS

MULTI AV SYSTEM

System Diagram



NOTE:

The name MULTIFUNCTION SWITCH indicates the integration of PRESET SWITCH and MULTIFUNCTION SWITCH virtually.

System Description

INFOID:000000000964521

Multi AV system means that the following systems are integrated.

System name	System explanation
AUDIO SYSTEM	AV-16. "System Description"
VEHICLE INFORMATION SYSTEM	<ul style="list-style-type: none"> Indicates the status of audio, climate control system, fuel economy and maintenance. AV control unit displays the fuel consumption status while receiving data signal through CAN communication from ECM, unified meter and A/C amp and BCM.
SATELLITE RADIO SYSTEM	Refer to "SATELLITE RADIO SYSTEM" shown below.
AUXILIARY INPUT SYSTEM	Refer to "AUXILIARY INPUT SYSTEM" shown below.

- AV control unit controls by sending/receiving data one by one with each unit (slave unit) that configures them completely as a master unit by connecting between units that configure MULTI AV system with two AV communication lines (H, L).
- Two AV communication lines (H, L) adopt a twisted pair line that is resistant to noise.
- AV control unit is connected by CAN communication, and it receives data signal from ECM, unified meter and A/C amp. It computes and displays fuel economy information value with the obtained information. Sending/receiving of data signal is performed by BCM. Also, it sends the required signal of vehicle setting and receives the response signal.
- AV control unit is connected with display and serial communication, and it sends the required signal of display and display control and receives the response signal from front display. Also, it is connected with satellite radio by serial communication, and it sends the operating signal and receives the display signal.

NOTE: