05ATP-05

DIAGNOSTIC TROUBLE CODE CHART

Terms	Meaning
Physical address	Three-digit code (shown in hexadecimal) which is given to each component comprising the AVC-LAN. Corresponding to the function, individual symbols are specified.
Logical address	Two-digit code (shown in hexadecimal) which is given to each function in the inner system of the AVC-LAN.

HINT:

The DTC of the Main AVC-LAN circuit is displayed on the radio receiver assy or multi-display, and the DTC of the Sub AVC-LAN circuit is displayed on the television display assy.

Titles for each unit are stated in the following order: physical address, (parts name) and [name indicated on the DTC display].

1. MULTI-DISPLA Y CONTROLLER SUB-ASSY (Physical address: 16C, 16D) [RSE-ECU]

HINT:

- *1: Even if no failure is detected, this code may be stored depending on the battery condition or voltage for starting the engine.
- *2: This code is stored 180 seconds after the power supply connector is disconnected after engine start.
- *3: This code may be stored when the engine key is turned back to the ON position and then turned again to the START position after engine start.
- *4: This code may be stored when the engine key is turned back to the ON position and then turned again to the START position in 1 minute after engine start.

(a) Logical address: 01 (Communication control)

DTC	Diagnosis item	Condition	Countermeasure and inspected parts
D8 *2	No Response To Connection Check	Component shown by sub-code is or had been disconnected from system after engine start.	1. Check harness for power supply system of component shown by sub-code. 2. Check harness for communication system of component shown by sub-code.
D9 *1	Last Mode Error	Component operated (sound and/or image was provided) before engine stop is or was disconnected with ignition switch in the ACC or ON position.	1. Check harness for power supply of component shown by sub-code. 2. Check harness for communication system of component shown by sub-code.
DA	No Response to ON/OFF Instruction	No response is identified when changing mode (audio and visual mode change). Detected when sound and picture do not change by button operation.	1. Check harness for power supply system of component shown by sub-code. 2. Check harness for communication system of component shown by sub-code. 3. If error occurs again, replace component shown by auxiliary code.
DB *1	Mode Status Error	Dual alarm is detected.	1. Check harness for power supply system of component shown by sub-code. 2. Check harness for communication system of component shown by sub-code.
DC *4	Transmission Error	Transmission to component shown by sub-code failed. (This code does not necessarily mean actual failure.)	If same sub-code is recorded in other component(s), check harness for power supply and communication system of all components shown by code.

DTC	Diagnosis item	Condition	Countermeasure and inspected parts
DE *3	Slave Reset (Momentary Interruption)	After engine start, slave component has been disconnected.	1. Check harness for power supply system of component shown by sub-code. 2. Check harness for communication system of component shown by sub-code.
E4 *1	Multiple Frame Abort	Multiple frame transmission is aborted.	Since this DTC is provided for engineering purpose, it may be detected when no actual failure exists.

2. TELEVISION DISPLAY ASSY (Physical address: 1B0) [Rr-TV]

HINT:

- *1: Even if no failure is detected, this code may be stored depending on the battery condition or voltage for starting the engine.
- *2: This code may be stored when the engine key is turned again in 1 minute after the engine start.
- *3: This code may be stored when the engine key is turned again after the engine start.
- *4: The code is stored 210 seconds after the power supply connector of the master component is disconnected with the ignition switch in the ACC or ON position.

(a) Logical address: 01 (Communication control)

DTC	Diagnosis item	Condition	Countermeasure and inspected parts
22	RAM Error	Abnormal condition of RAM is detected.	Replace television display assy
D6 *1	Absence of Master	Component in which this code is recorded was disconnected from system with the ignition switch in the ACC or ON position. Or, when this code was recorded, multi-display controller sub-assy was disconnected.	1. Check harness for power supply of multi-display controller sub-assy (see page 05-1715). 2. Check harness for communication system of multi-display controller sub-assy (see page 05-1864). 3. Check harness for power supply of television display assy (see page 05-1717). 4. Check harness for communication system of television display assy (see page 05-1746).
D7 *4	Communication Check Error	Component in which this code is recorded is or was disconnected from system after engine start. Or, when recording this code, multi-display controller sub-assy was disconnected.	1. Check harness for power supply of multi-display controller sub-assy (see page 05-1715). 2. Check harness for communication system of multi-display controller sub-assy (see page 05-1864). 3. Check harness for power supply of television display assy (see page 05-1717). 4. Check harness for communication system of television display assy (see page 05-1746).
DC *2	Transmission Error	Transmission to component shown by sub-code failed. (Detecting this DTC does not necessarily mean actual failure.)	If the same sub-code is recorded in other components, check harness for power supply and communication system of all components shown by code.

DTC	Diagnosis item	Condition	Countermeasure and inspected parts
DD *3	Master Reset (Momentary Interruption)	After engine start, multi-display controller sub-assy was disconnected from system.	1. Check harness for power supply of multi-display controller sub-assy (see page 05-1715). 2. Check harness for communication system of multi-display controller sub-assy (see page 05-1864). 3. If this error occurs frequently, replace multi-display controller sub-assy.
DF *4	Master Error	Due to defective condition of component with a display, master function is switched to audio equipment. Error occurs in communication between sub-master (audio) and master component.	1. Check harness for power supply of multi-display controller sub-assy (see page 05-1715). 2. Check harness for communication system of multi-display controller sub-assy (see page 05-1864).
E0 *1	Registration Completion Instruction Error	”Registration Completion Instruction” command from master cannot be received.	Since this DTC is provided for engineering purposes, it may be detected when no actual failure exists.
E2	ON/OFF Instruction Parameter Error	Error occurs in ON/OFF controlling command from multi-display controller sub-assy.	Replace multi-display controller sub-assy.
E3 *1	Registration Request Transmission	• Registration Request command is output from slave component. • Registration Connection Check Instruction, Registration Request command is output from sub-master component.	Since this DTC is provided for engineering purposes, it may be detected when no actual failure exists.
E4 *1	Multiple Frame Abort	Multiple frame transmission is aborted.	Since this DTC is provided for engineering purposes, it may be detected when no actual failure exists.

(b) Logical address: 44 (DVD)

DTC	Diagnosis item	Condition	Countermeasure and inspected parts
42	No Disc Readout	Disc cannot be read.	Inspect disc
44	DVD Error	Error is detected in disc player controller.	Inspect disc, Television display assy
45	EJECT Error	Disc cannot be ejected.	Inspect disc, Television display assy
46	Disc Crack	A crack or dirt is in a disc.	Inspect disc, Television display assy
52	Player Error	Clamp malfunction occurs.	Inspect disc, Television display assy