

3. USA and CANADA models:  
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 comprising the inner system of the AVC-LAN.

(a) Physical address 190: Radio receiver assembly

HINT:

- \*1: Even if no failure is detected, it may be stored depending on the battery condition or voltage for starting an engine.
  - \*2: It is stored when 180 sec. has passed after the power supply connector is pulled out after engine start.
  - \*3: It may be stored when the engine key is turned 1 min. again after engine start.
  - \*4: It may be stored when the engine key is turned again after engine start.
  - \*5: When 210 sec. has passed after pulling out the power supply connector of the master component with the ignition switch in ACC or ON, this code is stored.
- (1) Logical address: 01 (Communication control)

DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts
D6 *1	Absence of Master	Component in which this code is recorded has been disconnected from system with ignition in ACC or ON. Or, when this code was recorded, radio receiver assembly was disconnected.	<ul style="list-style-type: none"> <li>• Check harness for power supply system of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> </ul>
D8 *2	No Response to Connection Check	Component shown by auxiliary code is or had been disconnected from system after engine is start. D9	<ul style="list-style-type: none"> <li>• Check harness for power supply system of component shown by auxiliary code.</li> <li>• Check harness for communication system of component shown by auxiliary code.</li> </ul>
D9 *1	Last Mode Error	Component operated (sounds and/or images were provided) before engine stop is or has been disconnected with ignition switch in ACC or ON.	<ul style="list-style-type: none"> <li>• Check harness for power supply system of component shown by auxiliary code.</li> <li>• Check harness for communication system of component shown by auxiliary code.</li> </ul>
DA	No Response to ON/OFF Instruction	No response is identified when changing mode (audio and visual mode change). Detected when sound and picture does not change by button operation.	<ul style="list-style-type: none"> <li>• Check harness for power supply system of component shown by auxiliary code.</li> <li>• Check harness for communication system of component shown by auxiliary code.</li> <li>• If error occurs again, replace component shown by auxiliary code.</li> </ul>
DB *1	Mode Status Error	Dual alarm is detected.	<ul style="list-style-type: none"> <li>• Check harness for power supply of component shown by auxiliary code.</li> <li>• Check harness for communication system of component shown by auxiliary code.</li> </ul>
DC *3	Transmission Error	Transmission to component shown by auxiliary code has been failed. (Detecting this DTC does not necessarily mean actual failure.)	If same auxiliary code is recorded in order component, check harness for power supply and communication system of all components shown by code.
DD *4	Master Reset (Momentary Interruption)	After engine is started, radio receiver assembly was disconnected from system.	<ul style="list-style-type: none"> <li>• Check harness for power supply system of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> <li>• If this error occurs frequently, replace radio receiver assembly assembly.</li> </ul>

DE *4	Slave Reset (Momentary Interruption)	After engine is started, slave component was disconnected from system.	<ul style="list-style-type: none"> <li>• Check harness for power supply of component shown by auxiliary code.</li> <li>• Check harness for communication system of component shown by auxiliary code.</li> </ul>
DF *5	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.	<ul style="list-style-type: none"> <li>• Check harness for power supply of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> <li>• Check harness for communication system between radio receiver assembly and sub-master component.</li> </ul>
E0 *1	Registration Completion Instruction Error	"Registration Completion Instruction" command from master cannot be received.	Since this DTC is provided for engineering purpose, it may be detected when no actual failure exists.
E1 *1	Audio processor ON error	While source equipment is operating, AMP output is stopped.	<ul style="list-style-type: none"> <li>• Check harness for power supply of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> </ul>
E2	ON/OFF Instruction Parameter Error	Error occurs in ON/OFF controlling command from radio receiver assembly.	Replace radio receiver assembly.
E3 *1	Registration Request Transmission	Registration Request command is output from slave component. Receiving Connection Check Instruction, Registration Request command is output from sub-master component.	Since this DTC is provided for engineering purpose, 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 purpose, it may be detected when no actual failure exists.

## (2) Logical address: 61 (Cassette switch)

DTC	Diagnosis Item	Diagnosis Content	Countermeasure and inspection parts
40	Mechanical of Media Error	Malfunction due to mechanical failure is identified. Or cassette tape is cut or entangled.	<ul style="list-style-type: none"> <li>• Inspect cassette tape.</li> <li>• Replace radio receiver assembly.</li> </ul>

(b) Physical address: 440 Stereo component amplifier

- HINT:
- \*1: Even if no failure is detected, it may be stored depending on the battery condition or voltage for starting an engine.
  - \*2: It may be stored when the engine key is turned 1 min. again after engine start.
  - \*3: It may be stored when the engine key is turned again after engine start.
  - \*4: When 210 sec. has passed after pulling out the power supply connector of the master component with the ignition switch in ACC or ON, this code is stored.
- Logical address: 01 (Communication control)

DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts
D6 *1	Absence of Master	Component in which this code is recorded has been disconnected from system with ignition in ACC or ON. Or, when this code was recorded, radio receiver assembly was disconnected.	<ul style="list-style-type: none"> <li>• Check harness for power supply of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> <li>• Check harness for power supply of Stereo component amplifier.</li> <li>• Check harness for communication system of Stereo component amplifier.</li> </ul>
D7 *2	Communication Check Error	Component in which this code is recorded has been disconnected from system after engine start. Or, when this code was recorded, multi-display assembly was disconnected. D6	<ul style="list-style-type: none"> <li>• Check harness for power supply system of multi-display.</li> <li>• Check harness for communication system of multi-display.</li> <li>• Check harness for power supply system of stereo component amplifier.</li> <li>• Check harness for communication system of stereo component amplifier.</li> </ul>
DC *3	Transmission Error	Transmission to component shown by auxiliary code has been failed. (Detecting this DTC does not necessarily mean actual failure.)	If same auxiliary code is recorded in order component, check harness for power supply and communication system of all components shown by code.
DD *4	Master Reset (Momentary Interruption)	After engine is started, Stereo component amplifier was disconnected from system.	<ul style="list-style-type: none"> <li>• Check harness for power supply system of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> <li>• If this error occurs frequently, replace radio receiver assembly.</li> </ul>
DF *5	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.	<ul style="list-style-type: none"> <li>• Check harness for power supply of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> <li>• Check harness for communication system between Stereo component amplifier and sub-master component.</li> </ul>
E0 *1	Registration Completion Instruction Error	"Registration Completion Instruction" command from master cannot be received.	Since this DTC is provided for engineering purpose, it may be detected when no actual failure exists.
E1 *1	Audio processor ON error	While source equipment is operating, AMP output is stopped.	<ul style="list-style-type: none"> <li>• Check harness for power supply of radio receiver assembly.</li> <li>• Check harness for communication system of Stereo component amplifier.</li> </ul>

E2	ON/OFF Instruction Parameter Error	Error occurs in ON/OFF controlling command from Stereo component amplifier.	Replace Stereo component amplifier.
E3 *1	Registration Request Transmission	Registration Request command is output from slave component. Receiving Connection Check Instruction, Registration Request command is output from sub-master component.	Since this DTC is provided for engineering purpose, it may be detected when no actual failure exists.

(c) Physical address: 360 CD Auto Changer

HINT:

- \*1: Even if no failure is detected, it may be stored depending on the battery condition or voltage for starting an engine.
- \*2: It may be stored when the engine key is turned 1 min. again after engine start.
- \*3: It may be stored when the engine key is turned again after engine start.
- \*4: It may be stored when the engine key is turned again after engine start.
- \*5: When 210 sec. has passed after pulling out the power supply connector of the master component with the ignition switch in ACC or ON, this code is stored.

(1) Logical address: 01 (Communication control)

DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts
D1	Transmission Error	Transmission to component shown by auxiliary code has been failed. (This code does not necessarily mean actual failure.)	If same auxiliary code is recorded in other component(s), check harness for power supply and communication system of components shown sub code.
D4 *5	Connection check Error	Component in which this code is recorded is or was disconnected from system after engine start. Or, when recording this code, radio receiver assembly assembly was disconnected.	<ul style="list-style-type: none"> <li>• Check harness for power supply of radio receiver assembly.</li> <li>• Check harness for communication system of radio receiver assembly.</li> <li>• Check harness for power supply of DVD auto changer.</li> <li>• Check harness for communication system of DVD auto changer.</li> </ul>

(2) Logical address: 63 (CD Auto Changer)

DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts
60	CD Error	Error is detected in CD auto changer.	Replace CD auto changer
61	EJECT Error	Magazine cannot be ejected.	Replace CD auto changer
62	No Disc Readout	Disc cannot be read.	Inspect CD
63	CD Auto Changer Temp. Too High	Readout cannot be done because temperature around player's pick-up (reading part) is too high.	With IG switch OFF, leave vehicle in cool shaded place for a while and re-check. After deleting the DTC memory, if same code detected, replace CD auto changer.
64	CD Changer Excess Current	Excess current is applied CD auto changer.	Replace CD auto changer

(d) Physical address: 1C6 Gateway ECU

HINT:  
\*1: When 210 sec. has passed after pulling out the power supply connector of the master component with the ignition switch in ACC or ON, this code is stored.

Logical address: 01 (Communication control)

DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts
D4 *1	Regular Communication Error	Component in which this code is recorded has been disconnected after engine start. Or, when this code was recorded, radio receiver assembly was disconnected.	<ul style="list-style-type: none"> <li>• Check harness for power supply system of radio receiver assembly assembly.</li> <li>• Check harness for communication system of radio receiver assembly assembly.</li> <li>• Check harness for power supply system of gateway ECU.</li> <li>• Check harness for communication system of gateway ECU.</li> </ul>