

# DIAGNOSTIC TROUBLE CODE CHART

## HINT:

- \*: Logical address refers to the code allotted to each part of objected equipment which has been subdivided.
- Must have DTC judgement for the items with the making of a circle (○) in the system check at the time of system checking. (See page DI-869)
- Diagnosis memory can be memorized when detecting DTC under the usual using condition. (See page DI-869)
- In case that DTC D1 and D4 of each unit are detected, check the wire harness of AVC-LAN, then change each unit.
- In case that DTC other than DTC D1 or D4 of each unit is detected, change the parts specified.

## 1. NAVIGATION ECU

*: Logic address	DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts	System Check	Diagnosis memory
58	40	Navigation ECU error	When GYRO error is detected.	● Navigation ECU	○	X
58	51	CD-ROM not inserted	CD-ROM is not inserted	● Insert the CD-ROM	○	○
58	52	Different disk	The inserted CD-ROM is not in compliance with the standard.	● Replace the CD-ROM	○	X
58	53	Not readable disk	The data in CD-ROM can not read properly.	● Inspect the CD-ROM	X	○
58	60	GPS error	There is an error on the GPS receiver.	● Navigation ECU	○	○
58	61	GPS antenna not connected	GPS antenna is not connected.	● Connect GPS antenna	○	○
58	62	GPS antenna power source error	There is an error on the power source circuit to GPS antennas.	● Inspect the antenna cable ● Replace GPS antenna	○	○
58	71	SPD signal not connected	Conditions that GPS speed is more than 16 mph and SPD signal remains "0" continue for more than 10 seconds.	● Wire harness and connector	X	○

**2. AUDIO HEAD UNIT**

*: Logic address	DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts	System Check	Diagnosis memory
01	D0	ECU unconnected	ECU is unconnected.	<ul style="list-style-type: none"> <li>● Wire harness and connector</li> <li>● Audio head unit</li> </ul>	○	X
01	FF	Diagnosis no response	Nothing is responded to the required command.	<ul style="list-style-type: none"> <li>● Wire harness and connector</li> <li>● Audio head unit</li> </ul>	○	X
61	50	Cassette deck error	There is an error on the .cassette deck operation.	<ul style="list-style-type: none"> <li>● Audio head unit</li> </ul>	X	○

**3. POWER AMPLIFIER**

*: Logic address	DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts	System Check	Diagnosis memory
01	D0	ECU unconnected	ECU is unconnected.	<ul style="list-style-type: none"> <li>● Wire harness and connector</li> <li>● Power amplifier</li> </ul>	○	X
01	FF	Diagnosis no response	Nothing is responded to the required command.	<ul style="list-style-type: none"> <li>● Wire harness and connector</li> <li>● Power amplifier</li> </ul>	○	X

## 4. CD AUTO CHANGER

*: Logic address	DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts	System Check	Diagnosis memory
01	D0	ECU unconnected	ECU is unconnected.	<ul style="list-style-type: none"> <li>• Wire harness and connector</li> <li>• Display ECU</li> </ul>	○	X
01	FF	Diagnosis no response	Nothing is responded to the required command.	<ul style="list-style-type: none"> <li>• Wire harness and connector</li> <li>• Display ECU</li> </ul>	○	X
63	60	CD auto changer error	There is an error referring to the diagnosis codes except 61 to 69.	<ul style="list-style-type: none"> <li>• CD auto changer</li> </ul>	X	○
63	61	CD auto changer eject error	Magazine can not be ejected from CD auto changer.	<ul style="list-style-type: none"> <li>• CD auto changer</li> <li>• Magazine</li> </ul>	X	○
63	62	Reversed CD or defect on CD	CD is reversed or has a spot or defect.	<ul style="list-style-type: none"> <li>• CD</li> </ul>	X	○
63	63	CD pick up temperature detection.	High temperature of CD changer is detected.	<ul style="list-style-type: none"> <li>• CD auto changer</li> </ul>	X	○
63	64	CD auto changer excessive voltage check	Excessive voltage is supplied to CD auto changer.	<ul style="list-style-type: none"> <li>• CD auto changer</li> </ul>	X	○
63	67	CD auto changer tray discharging error	Discharging error of the CD auto changer tray occurs.	<ul style="list-style-type: none"> <li>• CD auto changer</li> <li>• Magazine</li> </ul>	X	○
63	68	CD auto changer elevator error	An error occurs on the CD auto changer elevator.	<ul style="list-style-type: none"> <li>• CD auto changer</li> </ul>	X	○

## 5. DISPLAY ECU

*: Logic address	DTC	Diagnosis item	Diagnosis content	Countermeasure and inspected parts	System Check	Diagnosis memory
01	D0	ECU disconnected	ECU is disconnected.	<ul style="list-style-type: none"> <li>• Wire harness and connector</li> <li>• Display ECU</li> </ul>	○	X
01	FF	Diagnosis no response	Nothing is responded to the required command.	<ul style="list-style-type: none"> <li>• Wire harness and connector</li> <li>• Display ECU</li> </ul>	○	X
01	21	ROM error	There is an error on internal ROM.	<ul style="list-style-type: none"> <li>• Display ECU</li> </ul>	○	X
01	22	RAM error	There is an error on internal RAM.	<ul style="list-style-type: none"> <li>• Display ECU</li> </ul>	○	X
34	76	Back light error 1 (No current)	There is an error on the cathode tube in back light system.	<ul style="list-style-type: none"> <li>• Display ECU</li> </ul>	X	○
34	77	Back light error 2 (Excessive current)	There is an error on the cold cathode tube in back light system.	<ul style="list-style-type: none"> <li>• Display ECU</li> </ul>	X	○
21	83	Panel switch error	Nothing is responded from the panel switches.	<ul style="list-style-type: none"> <li>• Display ECU</li> </ul>	○	X
21	84	Touch switch error	Nothing is responded from the touch switches.	<ul style="list-style-type: none"> <li>• Display ECU</li> </ul>	○	X