05MY1–01

DIAGNOSTIC TROUBLE CODE CHART

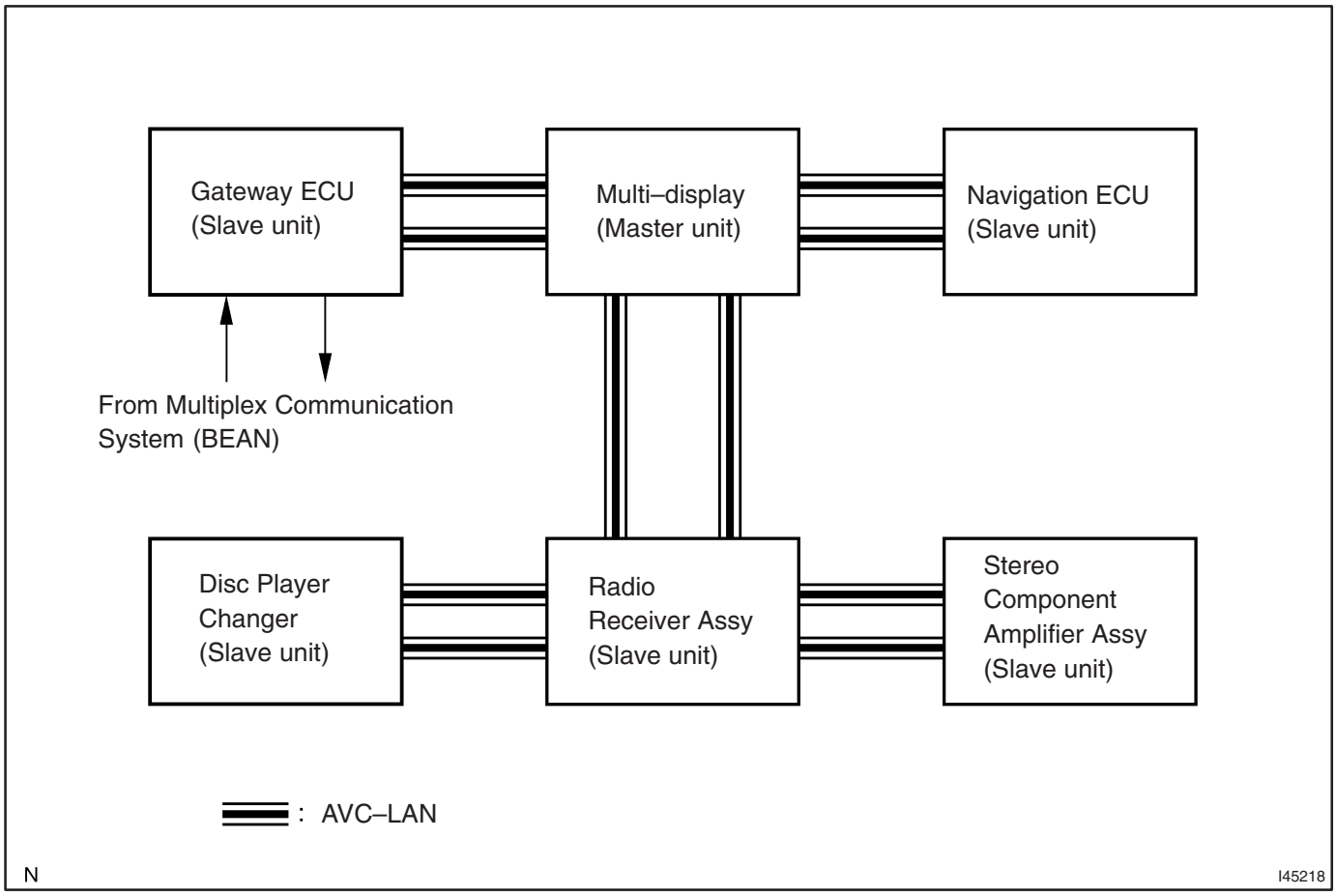
Terms	Description
Physical address	3–digit, hexadecimal code assigned to all components connected to the AVC–LAN. Individual symbols are specified based on function. Units whose names are unknown or relevant units are displayed with physical addresses.
Logical address	2–digit, hexadecimal code assigned to all the functions in the AVC–LAN system.

AVC–LAN WIRING DIAGRAM

HINT:

If any DTCs are simultaneously output for 2 or more slave units that are connected in series, there may be a problem between the master unit and the slave unit which is closest to the master unit. Therefore, first proceed with troubleshooting of that slave unit.

For example, if DTCs are output for the radio receiver assy and stereo component amplifier assy, there may be a problem between the master unit and radio receiver assy. (Refer to the illustration below.)



HINT:

Titles for each unit are stated in the following order: part name (physical address) [Name indicated by DTC]

1. MULTI–DISPLAY (physical address: 110) [EMV]

★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).

(a) Logical address: 01 (Communication control)

DTC	Name	Diagnosis	Verification	See page
D5 *1 *5	Absence of registration unit	The device indicated by the sub code is (was) disconnected from the system when turning the ignition switch to the ACC or ON position. The communication condition with the device indicated by the code cannot be obtained when the engine starts.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
D8 *2 *5	No response to connection check	The device indicated by the sub code is (was) disconnected from the system after engine start.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
D9 *1 *5	Last mode error	The device (for audio visual system) that had functioned before the engine stopped is (was) disconnected from the system when the ignition switch is (was) in the ACC or ON position.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DA *5	No response to ON/OFF command	No response is identified when changing mode (audio and visual mode change). Sound and image do not change by switch operation.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DB *1 *5	Mode status error	A dual alarm is detected.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DC *3 *5	Failure in transmission	A transmission failure to the device indicated by the sub code is detected. NOTE: This DTC may have no direct relationship with the malfunction.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DE *4 *5	Slave reset	A slave device has been disconnected after engine start.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
21	ROM error	A malfunction exists in ROM.	Replace multi–display	★
22	RAM error	A malfunction exists in RAM.	Replace multi–display	★

HINT:

- *1: This code may be stored depending on the battery condition or engine start voltage even if no failure is detected.
- *2: If the power connector is disconnected after the engine starts, this code is stored after 180 seconds.
- *3: This code may be stored if the ignition key is turned to the START position again with the engine running.
- *4: This code may be stored if the ignition key is held in the START position for 1 minute or more before returning to the ON position.
- *5: If the device is reported as not existing during verification, check the power source circuit and AVC–LAN circuit for the device.

(b) Logical address: 21 (SW): 23 (SW with name): 24 (SW converting): 25 (command SW)

DTC	Name	Diagnosis	Verification	See page
10	Panel switch error	The panel SW detection circuit has a failure.	Replace multi–display	★
11	Touch switch error	Error in touch switch sensor is detected.	Replace multi–display	★

2. NAVIGATION ECU (Physical address: 178) [NAVI]

●: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–22).
★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).
◆: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–5).
⁜: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–9).
▲: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–24).

(a) Logical address: 01 (Communication control)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
D6 *1	No master	When either of the following conditions is met: • The device that stores (stored) the code has (had) been disconnected when the ignition switch is (was) in the ACC or ON position. • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (navigation ECU) 2. AVC–LAN circuit (multi–display – navigation ECU) 3. Replace navigation ECU 4. If error occurs again, replace multi–display	05–1361 05–1395 ● ★
D7	Connection check error	When either of the following conditions is met: • The device that stored this code has (had) been disconnected after the engine starts (started). • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (navigation ECU) 2. AVC–LAN circuit (multi–display – navigation ECU) 3. Replace navigation ECU 4. If error occurs again, replace multi–display	05–1361 05–1395 ● ★
DC *2 *5	Transmission error	Transmission to the device indicated by the sub code has failed.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DD *3	Master reset	The device that should be the master has been disconnected after engine start.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – navigation ECU) 3. Replace multi–display	05–1359 05–1395 ★
DF *4	Master error	The device with a display fails and the master is switched to the audio device. Either that, or a communication error between the sub master (radio receiver assy) and master has occurred.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1402 ★ ◆
E0 *1	Registration complete indication error	”Registration complete” command from the master device cannot be received.	This code will be detected when signal receiving time is delayed.	–
E1 *1	Voice processing device ON error	The AMP device records that the AMP output does not function even while the source device operates.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 4. Replace multi–display 5. If error occurs again, replace radio receiver assy 6. If error occurs again, replace stereo component amplifier assy	05–1359 05–1402 05–1399 ★ ◆ ⁜

E2	ON/OFF indication parameter error	A command for ON/OFF control from the master device has a problem.	Replace multi–display	★
E3 *1	Registration demand transmission	The registration demand command from the slave device is output, or the registration demand command is output by receiving connection confirmation command from the sub master device.	–	–
E4	Multiple frame incomplete	Multiple frame transmission ends incomplete.	–	–

HINT:

- *1: Even if no failure is detected, this code may be stored depending on the battery condition or engine start voltage.
- *2: If the power connector is disconnected after the engine starts, this code is stored after 180 seconds.
- *3: This code may be stored if the ignition key is turned to the START position again after the engine starts.
- *4: This code may be stored if the ignition key is held in the START position for one minute or more before returning to the ON position.
- *5: If the device is reported as not existing during verification, check the power source circuit and AVC–LAN circuit for the device.

(b) Logical address: 58 (Navigation): 80 (GPS)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
10	Gyro error	Ground short, power supply short, open circuit in the gyro signal, or gyro failure.	1. Inspect gyro error 2. Replace GPS antenna 3. Replace navigation ECU	05–1354 ▲ ●
11	GPS receiver error	RTC, ROM, and RAM of the GPS receiver and TCXO errors. GPS receiver is failed.	Replace navigation ECU	●
40	GPS antenna error	GPS antenna error	1. Replace GPS antenna 2. Replace navigation ECU	▲ ●
41	GPS antenna power source error	Error of the power source to the GPS antenna	1. Replace GPS antenna 2. Replace navigation ECU	▲ ●
42	Map disc read error	Player error. A scratch or dirt on the disc. Access to an invalid address due to software error.	1. Inspect map disc read error 2. Replace map disc 3. Replace navigation ECU	05–1355 – ●
43	SPD signal error	A difference between the GPS speed and SPD pulse is detected.	1. Inspect speed signal error 2. Speed signal circuit 3. Replace navigation ECU	05–1356 05–1375 ●
44	Player error	Map player error is detected.	1. Check if the disc can be inserted and ejected. If a malfunction is found, replace the navigation ECU 2. If the same code is detected again, replace the navigation ECU	● ●
45	High temperature	High map player temperature is detected.	1. Park the vehicle in a cool place. Turn the engine off. After checking that the temperature of the navigation ECU becomes sufficiently low, turn the engine on to verify the malfunction symptom. 2. If the same code is detected, replace the navigation ECU	– ●

3. RADIO RECEIVER ASSY (Physical address: 190) [AUDIO H/U]

★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).
◆: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–5).
(a) Logical address: 01 (Communication control)
HINT:
Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
D6 *1	No master	When either of the following conditions is met: • The device that stores (stored) the code has (had) been disconnected when the ignition switch is (was) in the ACC or ON position. • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (multi–display) 2. Power source circuit (radio receiver assy) 3. AVC–LAN circuit (multi–display – radio receiver assy) 4. Replace multi–display 5. If error occurs again, replace radio receiver assy	05–1359 05–1366 05–1402 ★ ◆
D7	Connection check error	When either of the following conditions is met: • The device that stored this code has (had) been disconnected after the engine starts (started). • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (multi–display) 2. Power source circuit (radio receiver assy) 3. AVC–LAN circuit (multi–display – radio receiver assy) 4. Replace multi–display 5. If error occurs again, replace radio receiver assy	05–1359 05–1366 05–1402 ★ ◆
DC *2 *5	Transmission error	Transmission to the device indicated by the sub code has failed.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DD *3	Master reset	The device that should be the master has been disconnected after engine starts.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace multi–display	05–1359 05–1402 ★
DF *4	Master error	The device with a display fails and the master is switched to the audio device. Either that, or a communication error between the sub master (radio receiver assy) and master has occurred.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1402 ★ ◆
E0 *1	Registration complete indication error	”Registration complete” command from the master device cannot be received.	This code will be detected when signal receiving time is delayed.	–
E1 *1	Voice processing device ON error	The AMP device records that the AMP output does not function even while the source device operates.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1402 ★ ◆
E2	ON/OFF indication parameter error	A command for ON/OFF control from the master device has a problem.	Replace multi–display	★

E3 *1	Registration demand transmission	The registration demand command from the slave device is output, or the registration demand command is output by receiving connection confirmation command from the sub master device.	–	–
E4	Multiple frame incomplete	Multiple frame transmission ends incomplete.	–	–

(b) Logical address: 01 (Communication control)

DTC	Name	Diagnosis	Verification	See page
D5 *1 *5	Absence of registration unit	The device indicated by the sub code is (was) disconnected from the system when turning the ignition switch to the ACC or ON position. The communication condition with the device indicated by the code cannot be obtained when the engine starts.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
D8 *2 *5	No response to connection check	The device indicated by the sub code is (was) disconnected from the system after engine start	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
D9 *1 *5	Last mode error	The device (for audio visual system) that had functioned before the engine stopped is (was) disconnected from the system when the ignition switch is (was) in the ACC or ON position.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DA *5	No response to ON/OFF command	No response is identified when changing mode (audio and visual mode change). Sound and image do not change by switch operation.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DB *1 *5	Mode status error	A dual alarm is detected.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DC *3 *5	Failure in transmission	A transmission failure to the device indicated by the sub code is detected. NOTE: This DTC may have no direct relationship with the malfunction.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DE *4 *5	Slave reset	A slave device has been disconnected after engine start.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
21	ROM error	A malfunction exists in ROM.	Replace radio receiver assy	◆
22	RAM error	A malfunction exists in RAM.	Replace radio receiver assy	◆

HINT:

- *1: Even if no failure is detected, this code may be stored depending on the battery condition or engine start voltage.
- *2: If the power connector is disconnected after the engine starts, this code is stored after 180 seconds.
- *3: This code may be stored if the ignition key is turned to the START position again after the engine starts.
- *4: This code may be stored if the ignition key is held in the START position for one minute or more before returning to the ON position.
- *5: If the device is reported as not existing during verification, check the power source circuit and AVC–LAN circuit for the device.

(c) Logical address: 61 (Cassette)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
10	Belt cut	The inside belt is cut or came off.	Replace radio receiver assy	◆
40	Mechanical error of media	A malfunction due to mechanical problem. Either that, or cassette tape is cut or entangled.	1. Replace the cassette tape and recheck the symptom. 2. If the same code is detected, replace the radio receiver assy	– ◆
41	EJECT error	A malfunction due to mechanical problem.	Replace radio receiver assy	◆
42	Tape tangling	Cassette tape is tangled.	Replace radio receiver assy	◆
43	Head dirt	Head is dirty.	1. Clean the head and recheck the symptom. 2. If the same code is detected, replace the radio receiver assy	– ◆
44	Device power supply problem	A short or open in the power circuit.	1. Power source circuit (radio receiver assy) 2. Replace radio receiver assy	05–1366 ◆

4. GATEWAY ECU (Physical address: 1C6) [G/W]

★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).

(a) Logical address: 01 (Communication control)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
D4	Regular Communication Error	Component in which this code is recorded has been disconnected from system with ignition in the ACC or ON position. Either that, or the multi–display was disconnected when this code was recorded.	1. Power source circuit (gateway ECU) 2. AVC–LAN circuit (multi–display – gateway ECU) 3. Replace multi–display 4. Replace gateway ECU	05–1363 05–1397 ★ –

HINT:

This 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.

5. STEREO COMPONENT AMPLIFIER ASSY (Physical address: 440) [DSP AMP]

NOTICE:

The following inspection procedures of the stereo component amplifier assy are described on the assumption that the radio receiver assy is normal.

If any radio receiver assy DTC is output, first proceed with troubleshooting of the radio receiver assy. (Refer to step 3.)

★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).

◆: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–5).

⁎: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–9).

(a) Logical address: 01 (Communication control)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
D6 *1	No master	When either of the following conditions is met: • The device that stores (stored) the code has (had) been disconnected when the ignition switch is (was) in the ACC or ON position. • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (stereo component amplifier assy) 2. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 3. Replace stereo component amplifier assy 4. If error occurs again, replace radio receiver assy	05–1370 05–1399 ⁎ ◆
D7	Connection check error	When either of the following conditions is met: • The device that stored this code has (had) been disconnected after the engine starts (started). • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (stereo component amplifier assy) 2. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 3. Replace stereo component amplifier assy 4. If error occurs again, replace radio receiver assy	05–1370 05–1399 ⁎ ◆
DC *2 *5	Transmission error	Transmission to the device indicated by the sub code has failed.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DD *3	Master reset	The device that should be the master has been disconnected after engine starts.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 3. Replace multi–display	05–1359 05–1399 ★
DF *4	Master error	The device with a display fails and the master is switched to the audio device. Either that, or a communication error between the sub master (radio receiver assy) and master has occurred.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1402 ★ ◆
E0 *1	Registration complete indication error	”Registration complete” command from the master device cannot be received.	This code will be detected when signal receiving time is delayed.	–

E1 *1	Voice processing device ON error	The AMP device records that the AMP output does not function even while the source device operates.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1399 ★ ◆
E2	ON/OFF indication parameter error	The command for ON/OFF control from the master device has a problem.	Replace multi–display	★
E3 *1	Registration demand transmission	The registration demand command from the slave device is output, or the registration demand command is output by receiving connection confirmation command from the sub master device.	–	–
E4	Multiple frame incomplete	Multiple frame transmission ends incomplete.	–	–

HINT:

- *1: Even if no failure is detected, this code may be stored depending on the battery condition or engine start voltage.
- *2: If the power connector is disconnected after the engine starts, this code is stored after 180 seconds.
- *3: This code may be stored if the ignition key is turned to the START position again after the engine starts.
- *4: This code may be stored if the ignition key is held in the START position for one minute or more before returning to the ON position.
- *5: If the device is reported as not existing during verification, check the power source circuit and AVC–LAN circuit for the device.

6. DISC PLAYER CHANGER (Physical address: 360) [CD–CH1]

NOTICE:

The following inspection procedures of the disc player changer are described on the assumption that the radio receiver assy is normal.

If any radio receiver assy DTC is output, first proceed with troubleshooting of the radio receiver assy. (Refer to step 3.)

○: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–16).

◆: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–5).

★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).

(a) Logical address: 01 (Communication control)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
D6 *1	No master	When either of the following conditions is met: • The device that stores (stored) the code has (had) been disconnected when the ignition switch is (was) in the ACC or ON position. • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (disc player changer) 2. AVC–LAN circuit (disc player changer – radio receiver assy) 3. Replace disc player changer 4. If error occurs again, replace radio receiver assy	05–1368 05–1404 ○ ◆
D7	Connection check error	When either of the following conditions is met: • The device that stored this code has (had) been disconnected after the engine starts (started). • The master device has (had) been disconnected when this code is (was) stored.	1. Power source circuit (disc player changer) 2. AVC–LAN circuit (disc player changer – radio receiver assy) 3. Replace disc player changer 4. If error occurs again, replace radio receiver assy	05–1368 05–1404 ○ ◆

DC *2 *5	Transmission error	Transmission to the device indicated by the sub code has failed.	Inspection for the device indicated by the sub code. (Refer to the inspection list for the device indicated by the sub code.)	Refer to step 7
DD *3	Master reset	The device that should be the master has been disconnected after engine starts.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (disc player changer – radio receiver assy) 3. Replace multi–display	05–1359 05–1404 ★
DF *4	Master error	The device with a display fails and the master is switched to the audio device. Either that, or a communication error between the sub master (radio receiver assy) and master has occurred.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1402 ★ ◆
E0 *1	Registration complete indication error	”Registration complete” command from the master device cannot be received.	This code will be detected when signal receiving time is delayed.	–
E1 *1	Voice processing device ON error	The AMP device records that the AMP output does not function even while the source device operates.	1. Power source circuit (multi–display) 2. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 3. Replace multi–display 4. If error occurs again, replace radio receiver assy	05–1359 05–1399 ★ ◆
E2	ON/OFF indication parameter error	A command for ON/OFF control from the master device has a problem.	Replace multi–display	★
E3 *1	Registration demand transmission	The registration demand command from the slave device is output, or the registration demand command is output by receiving connection confirmation command from the sub master device.	–	–
E4	Multiple frame incomplete	Multiple frame transmission ends incomplete	–	–
21	ROM error	A malfunction exists in ROM.	Replace disc player changer	○
22	RAM error	A malfunction exists in RAM.	Replace disc player changer	○

HINT:

- *1: Even if no failure is detected, this code may be stored depending on the battery condition or engine start voltage.
- *2: If the power connector is disconnected after the engine starts, this code is stored after 180 seconds.
- *3: This code may be stored if the ignition key is turned to the START position again after the engine starts.
- *4: This code may be stored if the ignition key is held in the START position for one minute or more before returning to the ON position.
- *5: If the device is reported as not existing during verification, check the power source circuit and AVC–LAN circuit for the device.

(b) Logical address: 43 (CD changer)

HINT:

Methods used to verify the cause of the problem are listed in order of probability in the verification column.

DTC	Name	Diagnosis	Verification	See page
10	CD player mechanical error	A mechanical error in the CD player is detected while the CD is not being inserted or ejected.	Replace disc player changer	○
11	CD insertion & eject error	CD insertion or ejection is failed.	Replace disc player changer	○

12	CD reading abnormal	CD read problem occurs.	Replace disc player changer	○
40	No disc	No disc is inserted.	1. Check whether the CD is inserted or not. If the CD is inserted, check whether it can be ejected or not. If it cannot be ejected, replace disc player changer. 2. Inspect CD. 3. If the same code is detected, replace the disc player changer	○ – ○
41	Wrong disc	An unsuitable disc is inserted.	1. Inspect CD. 2. If the same code is detected, replace the disc player changer	– ○
42	Disc cannot be read	The disc cannot be read.	1. Inspect CD. 2. If the same code is detected, replace the disc player changer	– ○
43	CD–ROM abnormal	CD–ROM operation is abnormal.	Replace disc player changer	○
44	CD abnormal	Operation error in the CD mechanism (except for code 10).	1. After clearing the DTC, check the malfunction symptom. 2. If the same code is detected, replace the disc player changer	– ○
45	EJECT error	The disc cannot be ejected.	Replace disc player changer	○
46	Scratched / Reversed Disc	Scratches or dirt is found on the CD surface or the CD is set upside down.	1. Inspect CD. 2. If the same code is detected, replace the disc player changer	– ○
47	CD temperature is high	The sensor detects that the CD unit temperature is high.	1. Park the vehicle in a cool place. Turn the engine off. After checking that the temperature of the disc player changer becomes sufficiently low, turn the engine on in order to verify the malfunction symptom. 2. If the same code is detected, replace the disc player changer	– ○
48	Excess current	Excess current is present in the disc player changer	Replace disc player changer	○
50	Tray insertion/ejection error	Malfunction in the insertion/ejection system	Replace disc player changer	○
51	Elevator error	Mechanical error occurred during elevator operation	Replace disc player changer	○
52	Clamp error	Clamp error occurred.	Replace disc player changer	○

7. THE INSPECTION LIST FOR THE DEVICE INDICATED BY THE SUB CODE

●: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–22).
★: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–8).
◆: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–5).
⁕: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–9).
○: Refer to LAND CRUISER PRADO Repair Manual (Pub. No. RM990E, Page 67–16).
HINT:

- If any DTCs are output for 2 or more slave units that are connected in series, there may be a problem between the master unit and the slave unit which is closest to the master unit. Therefore, first proceed with troubleshooting of that slave unit.
- Methods used to verify the cause of the problem are listed in order of probability in the verification column.

Sub code address (Device name)	Verification	See page
110 (Multi–display)	1. Power source circuit (multi–display) 2. Replace multi–display	05–1359 ★
178 (Navigation ECU)	1. Power source circuit (navigation ECU) 2. AVC–LAN circuit (multi–display – navigation ECU) 3. Replace navigation ECU	05–1361 05–1395 ●
190 (Radio receiver assy)	1. Power source circuit (radio receiver assy) 2. AVC–LAN circuit (multi–display – radio receiver assy) 3. Replace radio receiver assy	05–1366 05–1402 ◆
1C6 (Gateway ECU)	1. Power source circuit (gateway ECU) 2. AVC–LAN circuit (multi–display – gateway ECU) 3. Replace gateway ECU	05–1363 05–1397 –
440 (Stereo Component Amplifier Assy)	1. Power source circuit (stereo component amplifier assy) 2. AVC–LAN circuit (stereo component amplifier assy – radio receiver assy) 3. Replace stereo component amplifier assy	05–1370 05–1399 ⁕
360 (Disc Player Changer)	1. Power source circuit (disc player changer) 2. AVC–LAN circuit (disc player changer – radio receiver assy) 3. Replace disc player changer	05–1368 05–1404 ○