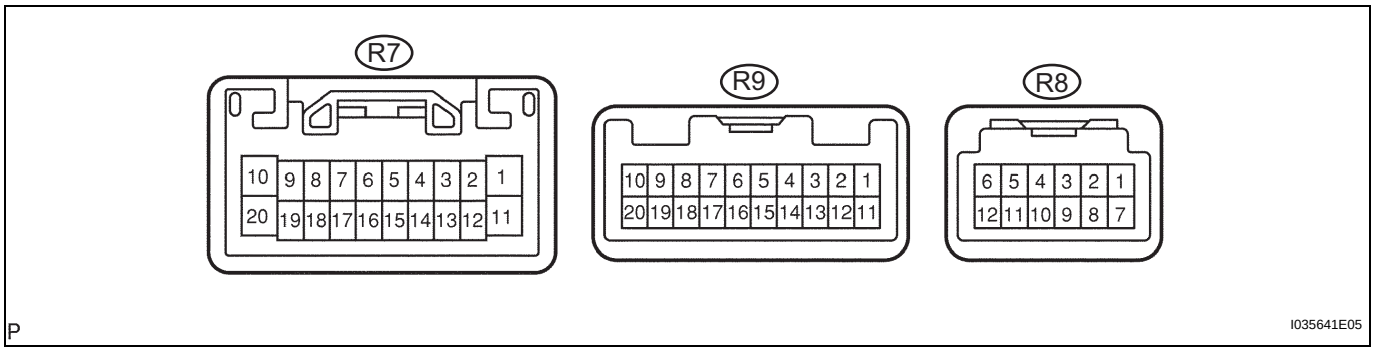
TERMINALS OF ECU

1. RADIO RECEIVER (10 SPEAKER SYSTEM)

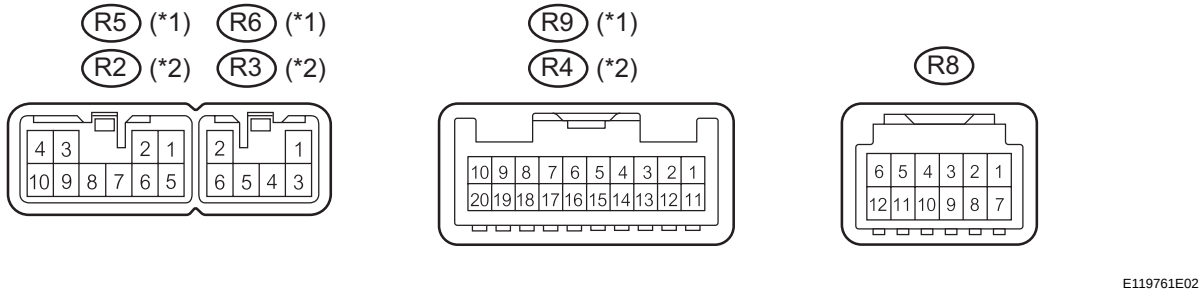


Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
B (R7-1) - GND (R7-20)	L-Y - W-B	Battery	Always	10 to 14 V
ILL+ (R7-2) - GND (R7-20)	G - W-B	Illumination signal	Light control switch OFF → TAIL	Below 1 V → 10 to 14 V
ATX+ (R7-5) - GND (R7-20)	LG-B - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MUTE (R7-7) - GND (R7-20)	GR-B - W-B	MUTE signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
R+ (R7-8) - GND (R7-20)	W - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
L+ (R7-9) - GND (R7-20)	G - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
SLD (R7-10) - Body ground	Shielded - Body ground	Shield ground	Always	Below 1 V
ACC (R7-11) - GND (R7-20)	GR - W-B	Accessory (ON)	Turn ignition switch to ACC	10 to14 V
ILL- (R7-12) - GND (R7-20)	W-G - W-B	Illumination (rheostat) signal	Light control switch OFF → TAIL	Below 1 V → Pulse generation
ANT (R7-13) - GND (R7-20)	P-L - W-B	Power source of antenna	Radio switch ON and AM or FM	10 to 14 V
ATX- (R7-15) - GND (R7-20)	LG-R - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
R- (R7-18) - GND (R7-20)	B - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
L- (R7-19) - GND (R7-20)	R - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
GND (R7-20) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
SWG (R9-6) - GND (R7-20)	Y - W-B	Steering pad switch ground	Always	Below 1 V
SW1 (R9-7) - GND (R7-20)	LG - W-B	Steering pad switch signal	Steering pad switch not operated → SEEK+ switch pushed → SEEK- switch pushed → VOL+ switch pushed → VOL- switch pushed	4 V or more → Approx. 0.5 V → Approx. 0.9 V → Approx. 2.0 V → Approx. 3.4 V
SW2 (R9-8) - GND (R7-20)	L - W-B	Steering pad switch signal	Steering pad switch not operated → MODE switch pushed	4 V or more → Below 2.5 V
ARI (R9-15) - GND (R7-20)	P - W-B	Sound signal (Right)	External device is playing (When stereo jack is used)	A waveform synchronized with sounds is output
ASGN (R9-16) - GND (R7-20)	BR - W-B	Shield ground	Always	Below 1 V
ALI (R9-17) - GND (R7-20)	L - W-B	Sound signal (Left)	External device is playing (When stereo jack is used)	A waveform synchronized with sounds is output

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
AUXI (R9-19) - GND (R7-20)	G - W-B	External device connection detection signal	External device is connected	Below 1 V
CSLD (R8-1) - Body ground (*1)	Shielded - Body ground	Shielded ground	Always	Below 1 V
CDR+ (R8-2) - GND (R7-20) (*1)	B - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
CDR- (R8-3) - GND (R7-20) (*1)	W - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
CDL+ (R8-4) - GND (R7-20) (*1)	R - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
CDL- (R8-5) - GND (R7-20) (*1)	G - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
MUTE (R8-6) - GND (R7-20) (*1)	R-W - W-B	MUTE signal from RSE	RSE system is playing → changing	Above 3.5 V → Below 1 V
TXM+ (R8-9) - GND (R7-20) (*1)	P - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXM- (R8-10) - GND (R7-20) (*1)	V - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: with Rear Seat Entertainment System

2. RADIO RECEIVER (6 SPEAKER SYSTEM)



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
FR+ (R5-1) - GND (R5-7) (*1)	LG - W-B	Sound signal (Front Right)	Audio system is playing	A waveform synchronized with sounds is output
FL+ (R5-2) - GND (R5-7) (*1)	P - W-B	Sound signal (Front Left)	Audio system is playing	A waveform synchronized with sounds is output
ACC (R5-3) - GND (R5-7) (*1)	GR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC	Below 1 V → 10 to 14 V
+B (R5-4) - GND (R5-7) (*1)	L-Y - W-B	Battery	Always	10 to 14 V
FR- (R5-5) - GND (R5-7) (*1)	L - W-B	Sound signal (Front Right)	Audio system is playing	A waveform synchronized with sounds is output
FL- (R5-6) - GND (R5-7) (*1)	V - W-B	Sound signal (Front Left)	Audio system is playing	A waveform synchronized with sounds is output
GND (R5-7) - Body ground (*1)	W-B - Body ground	Ground	Always	Below 1 V
ILL+ (R5-10) - GND (R5-7) (*1)	G - W-B	Illumination signal	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
RR+ (R6-1) - GND (R5-7) (*1)	R - W-B	Sound signal (Rear Right)	Audio system is playing	A waveform synchronized with sounds is output
RL+ (R6-2) - GND (R5-7) (*1)	B - W-B	Sound signal (Rear Left)	Audio system is playing	A waveform synchronized with sounds is output
RR- (R6-3) - GND (R5-7) (*1)	W - W-B	Sound signal (Rear Right)	Audio system is playing	A waveform synchronized with sounds is output
ILL- (R6-5) - GND (R5-7) (*1)	W-G - W-B	Illumination (rheostat) signal	Light control switch OFF → TAIL or HEAD	Below 1 V → Pulse generation

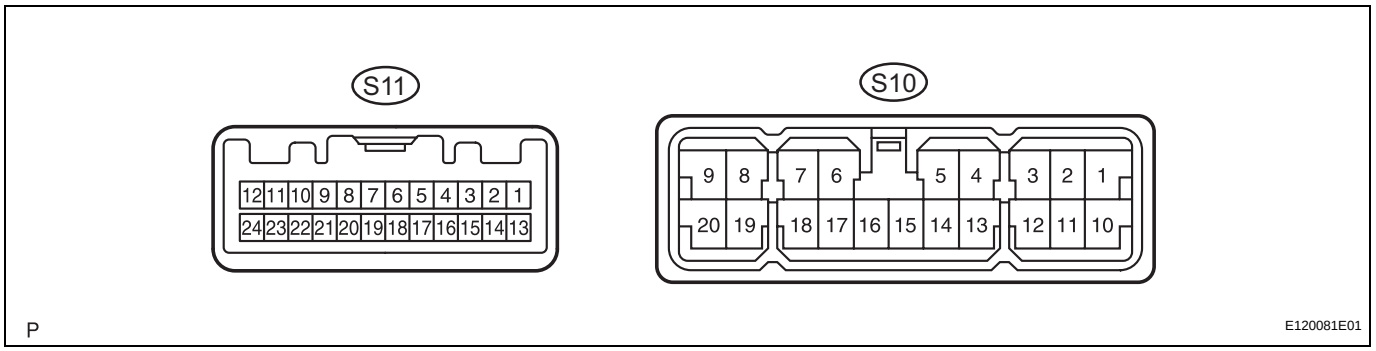
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
RL- (R6-6) - GND (R5-7) (*1)	Y - W-B	Sound signal (Rear Left)	Audio system is playing	A waveform synchronized with sounds is output
SPD (R9-3) - GND (R5-7) (*1)	V-W - W-B	Speed signal from combination meter	Turn ignition switch to ON. Turn drive wheels slowly.	Pulse generation
SWG (R9-6) - GND (R5-7) (*1)	Y - W-B	Steering pad switch ground	Always	Below 1 V
SW1 (R9-7) - GND (R5-7) (*1)	LG - W-B	Steering pad switch signal	Steering pad switch not operated → SEEK+ switch pushed → SEEK- switch pushed → VOL+ switch pushed → VOL- switch pushed	4 V or more → Approx. 0.5 V → Approx. 0.9 V → Approx. 2.0 V → Approx. 3.4 V
SW2 (R9-8) - GND (R5-7) (*1)	L - W-B	Steering pad switch signal	Steering pad switch not operated → MODE switch pushed	4 V or more → Below 2.5 V
ARI (R9-15) - GND (R5-7) (*1)	P - W-B	Sound signal (Right)	External device is playing (When stereo jack is used)	A waveform synchronized with sounds is output
ASGN (R9-16) - GND (R5-7) (*1)	BR - W-B	Shield ground	Always	Below 1 V
ALI (R9-17) - GND (R5-7) (*1)	L - W-B	Sound signal (Left)	External device is playing (When stereo jack is used)	A waveform synchronized with sounds is output
AUXI (R9-19) - GND (R5-7) (*1)	G - W-B	External device connection detection signal	External device is connected	Below 1 V
CSLD (R8-1) - Body ground (*1)	Shielded - Body ground	Shield ground	Always	Below 1 V
CDR+ (R8-2) - GND (R5-7) (*1)	B - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
CDR- (R8-3) - GND (R5-7) (*1)	W - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
CDL+ (R8-4) - GND (R5-7) (*1)	R - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
CDL- (R8-5) - GND (R5-7) (*1)	G - W-B	Sound signal from RSE	RSE system is playing	A waveform synchronized with sounds is output
MUTE (R8-6) - GND (R5-7) (*1)	R-W - W-B	MUTE signal from RSE	RSE system is playing → changing	Above 3.5 V → Below 1 V
TXM+ (R8-9) - GND (R5-7) (*1)	P - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXM- (R8-10) - GND (R5-7) (*1)	V - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
FR+ (R2-1) - GND (R2-7) (*2)	LG - W-B	Sound signal (Front Right)	Audio system is playing	A waveform synchronized with sounds is output
FL+ (R2-2) - GND (R2-7) (*2)	P - W-B	Sound signal (Front Left)	Audio system is playing	A waveform synchronized with sounds is output
ACC (R2-3) - GND (R2-7) (*2)	GR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC	Below 1 V → 10 to 14 V
+B (R2-4) - GND (R2-7) (*2)	L-Y - W-B	Battery	Always	10 to 14 V
FR- (R2-5) - GND (R2-7) (*2)	L - W-B	Sound signal (Front Right)	Audio system is playing	A waveform synchronized with sounds is output
FL- (R2-6) - GND (R2-7) (*2)	V - W-B	Sound signal (Front Left)	Audio system is playing	A waveform synchronized with sounds is output
GND (R2-7) - Body ground (*2)	W-B - Body ground	Ground	Always	Below 1 V
ILL+ (R2-10) - GND (R2-7) (*2)	G - W-B	Illumination signal	Light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
RR+ (R3-1) - GND (R2-7) (*2)	R - W-B	Sound signal (Rear Right)	Audio system is playing	A waveform synchronized with sounds is output
RL+ (R3-2) - GND (R2-7) (*2)	B - W-B	Sound signal (Rear Left)	Audio system is playing	A waveform synchronized with sounds is output

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
RR- (R3-3) - GND (R2-7) (*2)	W - W-B	Sound signal (Rear Right)	Audio system is playing	A waveform synchronized with sounds is output
ILL- (R3-5) - GND (R2-7) (*2)	W-G - W-B	Illumination (rheostat) signal	Light control switch OFF → TAIL or HEAD	Below 1 V → Pulse generation
RL- (R3-6) - GND (R2-7) (*2)	Y - W-B	Sound signal (Rear Left)	Audio system is playing	A waveform synchronized with sounds is output
SPD (R4-3) - GND (R2-7) (*2)	V-W - W-B	Speed signal from combination meter	Turn ignition switch to ON. Turn drive wheels slowly.	Pulse generation
SWG (R4-6) - GND (R2-7) (*2)	Y - W-B	Steering pad switch ground	Always	Below 1 V
SW1 (R4-7) - GND (R2-7) (*2)	LG - W-B	Steering pad switch signal	Steering pad witch not operated → SEEK+ switch pushed → SEEK- switch pushed → VOL+ switch pushed → VOL- switch pushed	4 V or more → Approx. 0.5 V → Approx. 0.9 V → Approx. 2.0 V → Approx. 3.4 V
SW2 (R4-8) - GND (R2-7) (*2)	L - W-B	Steering pad switch signal	Steering pad switch not operated → MODE switch pushed	4 V or → Below 2.5 V
ARI (R4-15) - GND (R2-7) (*2)	P - W-B	Sound signal (Right)	External device is playing (When stereo jack is used)	A waveform synchronized with sounds is output
ASGN (R4-16) - GND (R2-7) (*2)	BR - W-B	Shield ground	Always	Below 1 V
ALI (R4-17) - GND (R2-7) (*2)	L - W-B	Sound signal (Left)	External device is playing (When stereo jack is used)	A waveform synchronized with sounds is output
AUXI (R4-19) - GND (R2-7) (*2)	G - W-B	External device connection detection signal	External device is connected	Below 1 V

AV

*1: with Rear Seat Entertainment System
*2: without Rear Seat Entertainment System

3. STEREO COMPONENT AMPLIFIER



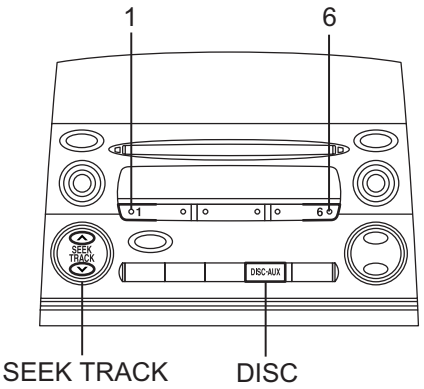
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
MUTE (S11-1) - GND2 (S10-15)	GR-B - W-B	Mute signal from radio receiver	Audio system is playing → Changing	Above 3.5 V → Below 1 V
L- (S11-2) - GND2 (S10-15)	R - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
L+ (S11-3) - GND2 (S10-15)	G - W-B	Sound signal (Left)	Audio system is playing	A waveform synchronized with sounds is output
R- (S11-4) - GND2 (S10-15)	B - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
R+ (S11-5) - GND2 (S10-15)	W - W-B	Sound signal (Right)	Audio system is playing	A waveform synchronized with sounds is output
TX- (S11-7) - GND2 (S10-15)	LG-R - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+ (S11-8) - GND2 (S10-15)	LG-B - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
SPD (S11-11) - GND2 (S10-15)	V-W - W-B	Speed signal from combination meter	Turn ignition switch to ON. Turn drive wheels slowly.	Pulse generation
ACC (S11-12) - GND2 (S10-15)	GR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC	Below 1 V → 10 to 14 V
B+ (S10-1) - GND2 (S10-15)	L-R - W-B	Battery	Always	10 to 14 V
SUR+ (S10-2) - GND2 (S10-15)	W - W-B	Sound signal (Rear No. 2 Speaker)	Audio system is playing	A waveform synchronized with sounds is output
CTR+ (S10-3) - GND2 (S10-15)	L-B - W-B	Sound signal (Front Center)	Audio system is playing	A waveform synchronized with sounds is output
RL+ (S10-4) - GND2 (S10-15)	B - W-B	Sound signal (Rear Left)	Audio system is playing	A waveform synchronized with sounds is output
RR+ (S10-5) - GND2 (S10-15)	R - W-B	Sound signal (Rear Right)	Audio system is playing	A waveform synchronized with sounds is output
FL+ (S10-6) - GND2 (S10-15)	P - W-B	Sound signal (Front Left)	Audio system is playing	A waveform synchronized with sounds is output
FR+ (S10-7) - GND2 (S10-15)	LG - W-B	Sound signal (Front Right)	Audio system is playing	A waveform synchronized with sounds is output
WF2+ (S10-8) - GND2 (S10-15)	R-L - W-B	Sound signal (Woofer Box)	Audio system is playing	A waveform synchronized with sounds is output
WF1+ (S10-9) - GND2 (S10-15)	L-Y - W-B	Sound signal (Woofer Box)	Audio system is playing	A waveform synchronized with sounds is output
B2+ (S10-10) - GND2 (S10-15)	L-R - W-B	Battery	Always	A waveform synchronized with sounds is output
SUR- (S10-11) - GND2 (S10-15)	L - W-B	Sound signal (Rear No. 2 Speaker)	Audio system is playing	10 to 14 V
CTR- (S10-12) - GND2 (S10-15)	L-R - W-B	Sound signal (Front Center)	Audio system is playing	A waveform synchronized with sounds is output
RL- (S10-13) - GND2 (S10-15)	Y - W-B	Sound signal (Rear Left)	Audio system is playing	A waveform synchronized with sounds is output
RR- (S10-14) - GND2 (S10-15)	W - W-B	Sound signal (Rear Right)	Audio system is playing	A waveform synchronized with sounds is output
GND2 (S10-15) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
GND (S10-16) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
FL- (S10-17) - GND2 (S10-15)	V - W-B	Sound signal (Front Left)	Audio system is playing	A waveform synchronized with sounds is output
FR- (S10-18) - GND2 (S10-15)	L - W-B	Sound signal (Front Right)	Audio system is playing	A waveform synchronized with sounds is output
WF2- (S10-19) - GND2 (S10-15)	W-L - W-B	Sound signal (Woofer Box)	Audio system is playing	A waveform synchronized with sounds is output
WF1- (S10-20) - GND2 (S10-15)	L-W - W-B	Sound signal (Woofer Box)	Audio system is playing	A waveform synchronized with sounds is output

4. TELEVISION DISPLAY ASSEMBLY (See page AV-159)

DTC CHECK / CLEAR

HINT:
If the system cannot enter the diagnostic mode, inspect all AVC-LAN communication signals and repair or replace problem parts. (See page AV-128)



H E121229E01

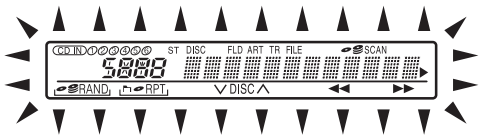
1. STARTING DIAGNOSTIC MODE

(a) Turn the ignition switch to the ACC position.
(b) Turn off the audio system.
(c) While pressing the preset switches "1" and "6" at the same time, press the "DISC" switch 3 times.
HINT:
A beep is emitted 3 times and the diagnostic function is activated. The system enters the all element illumination mode and the switch check mode.

2. ALL ELEMENT ILLUMINATION MODE AND SWITCH CHECK MODE

HINT:
Illumination status of all switches and operations of the panel switches can be checked.

Example:



N E119764E02

(a) Check that all elements are on.
(b) When pressing each panel switch, check that a beep is emitted.
NOTICE:
Pressing the "SEEK TRACK UP" switch transfers the screen to the stereo jack adapter connection check screen. Check the operation of this switch by confirming the transfer of the screen.

When a stereo jack adapter is connected:



When a stereo jack adapter is not connected:



N E119765E02

3. STEREO JACK ADAPTER CONNECTION CHECK MODE

(a) Press the "SEEK TRACK UP" switch.
(b) Check if the stereo jack adapter is recognized.
HINT:
Vehicles that do not have a stereo jack adapter also have this function.
NOTICE:
This function is not to check connection information on an external device, but to check recognition information on a stereo jack adapter.

4. SERVICE CHECK MODE

(a) Press the "SEEK TRACK UP" switch.
HINT:
For details of the service check mode, refer to "6. CHECK DTC" and "7. DTC CLEAR/RECHECK".

5. FINISHING DIAGNOSTIC MODE

(a) Press the "DISC" switch for 2 seconds or more, or turn the ignition switch off.

6. CHECK DTC

HINT:

Illustrations may differ from the actual vehicle depending on the device settings and options. Therefore, some detailed areas may not be shown exactly the same as on the actual vehicle.

(a) Reference:

In the system check mode, the system check and the diagnostic memory check are performed, and the check results are displayed in ascending order of the component codes (physical address).

Terms	Meaning
Component code (Physical address)	Three-digit code (in hexadecimal) given to each device comprising AVC-LAN. Corresponding to its function, individual symbol is provided.
Logical address	Two-digit code (in hexadecimal) given to each function and device unit in each device comprising AVC-LAN.

(b) Service check result display

Display	Previous term	Meaning	Action to be taken
good	Good (normal)	No DTCs are detected in both "System Check Mode" and "Diagnostic Memory Mode".	-
nCon	No connection	The system recognized the component when it was registered, but the component gives no response to the "Diagnostic Mode ON Request".	Check the power source circuit and the communication circuit of the component indicated by the component code (physical address).
ECHn	Exchange	One or more DTCs for "Exchange" are detected in either "System Check Mode" or "Diagnostic Memory Mode".	Go to the detailed information mode to check the trouble area referring to the DTC list.
CHEC	Check	When no DTCs are detected for "Exchange", one or more DTCs for "Check" are detected in either "System Check Mode" or "Diagnostic Memory Mode".	Go to the detailed information mode to check the trouble area referring to the DTC list.
OLd	Old version	Old DTC application is identified and DTC is detected in either "System Check Mode" or "Diagnostic Memory Mode".	-
nrES	No response	The device gives no response to any one of "System Check Mode ON Request", "System Check Result Request", and "Diagnostic Memory Request".	Check the power source circuit and the communication circuit of the component indicated by the component code (physical address).

AV

(c) Device name and physical address

Physical address No.	Name
190	Radio receiver
440	Stereo component amplifier
1B0	Television display assembly

(d) Service check mode

(1) Press the "SEEK TRACK" switch to see the check result of each component.

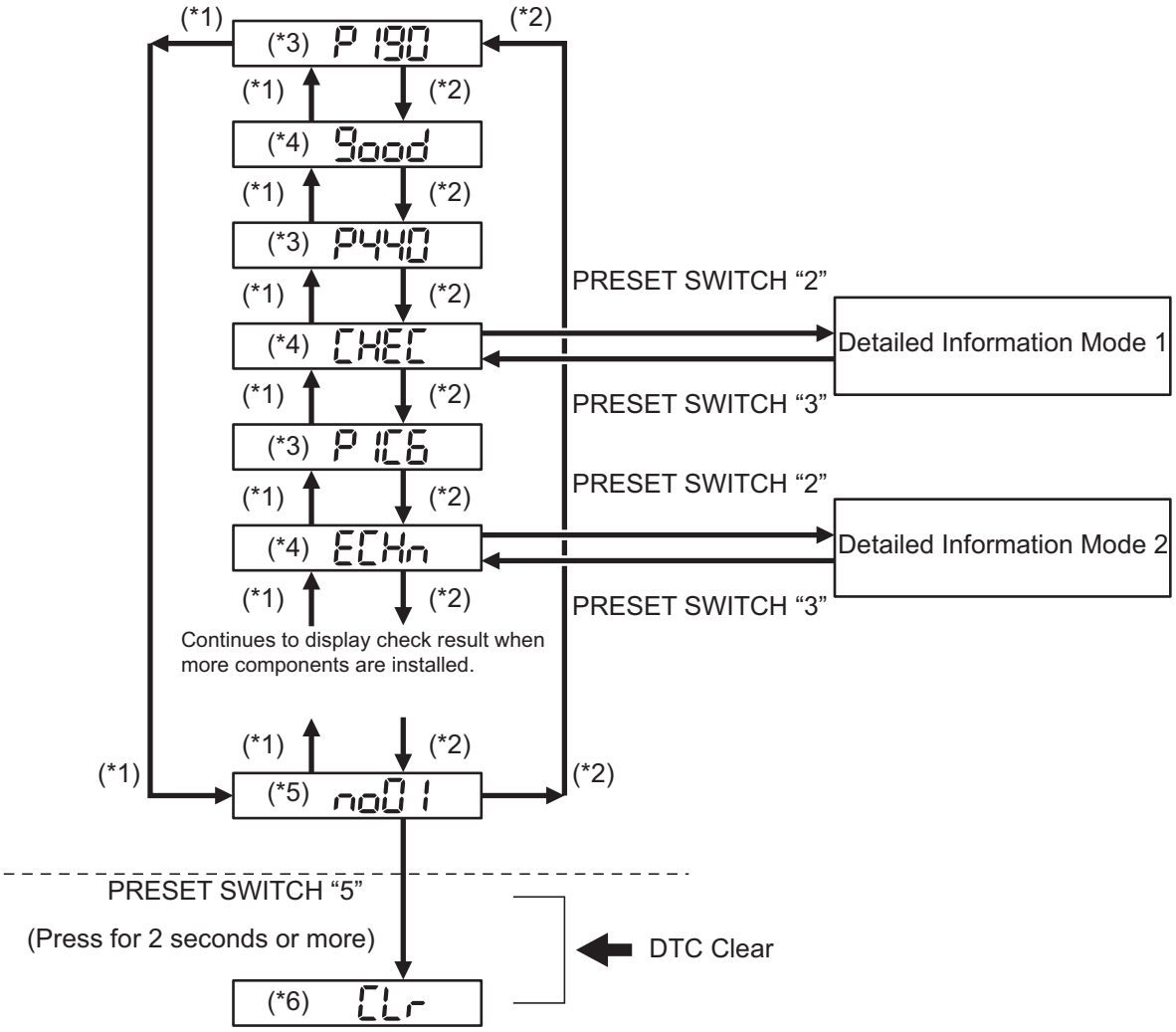
(2) The component code (physical address) is displayed first, and then the check result follows.

HINT:

- If all check results are "good", the system judges that no DTC exists.

- If the preset switch "1" is pressed in the service check mode, service check is performed again.
- This illustration is only an example and may differ in cases such as for each option part and output DTCs.

Service Check Mode:



*1: SEEK TRACK DOWN

*2: SEEK TRACK UP

*3: P...Indicates physical address

190/440/1C6...Physical address

*4: Result

*5: Up-to-date connection check number

*6: Memory clear

AV

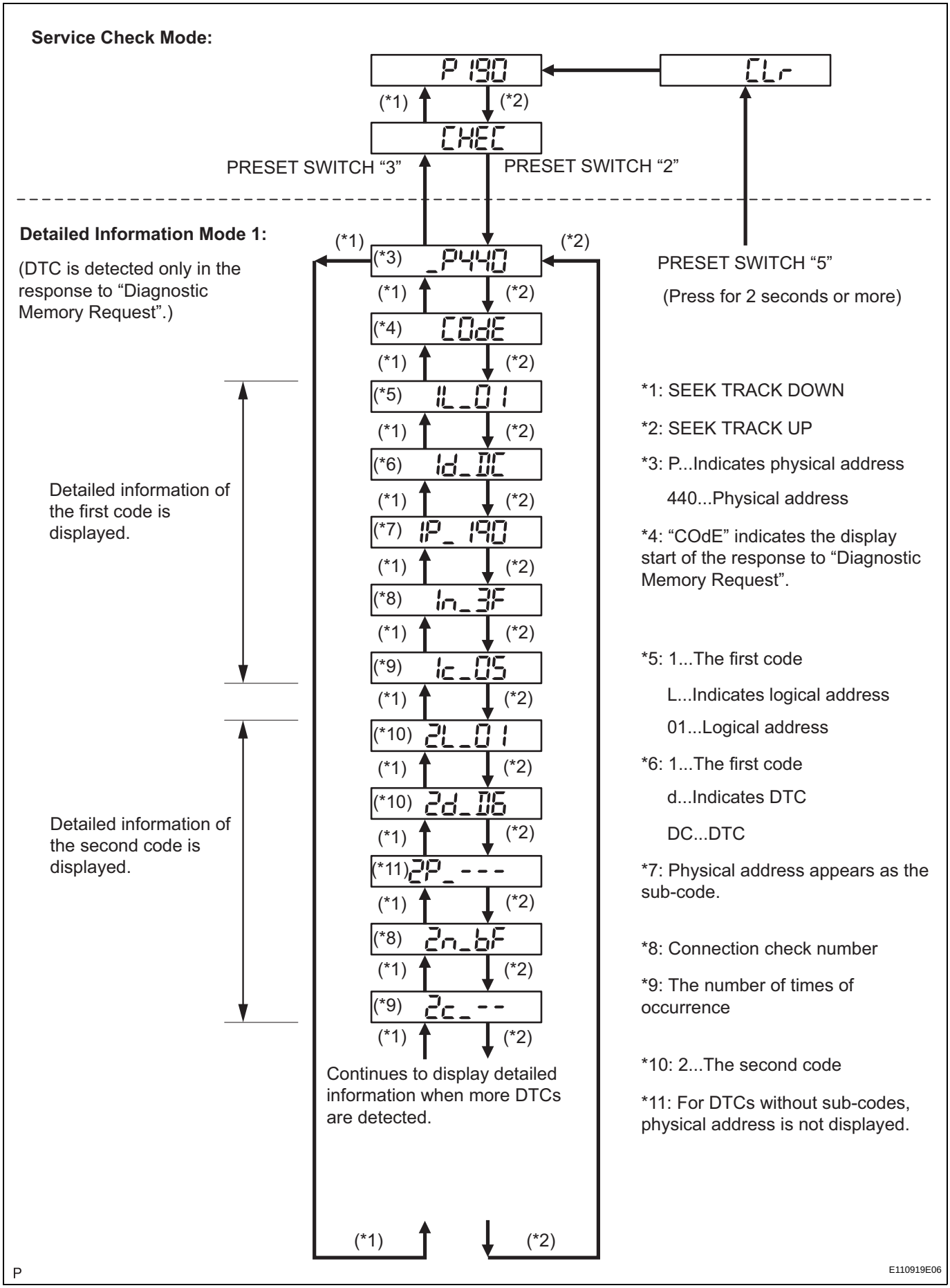
P

E110920E07

(e) Detailed information mode 1
HINT:
- "Detailed information mode 1" is displayed when there is no response to "System Check Result Request" and DTC is detected only in "Diagnostic Memory Request".
- The component device code (physical address) is displayed first, and then the check result follows.
- This illustration is only an example and may differ in cases such as for each option part and output DTCs.

(1) Press the preset switch "2" to go to the "Detailed Information Mode 1".
(2) Press the "SEEK TRACK" switch to display the physical address and DTC of the component.
(3) Press the preset switch "3" to go to the "Service Check Mode".
(4) Distinguish between the displays of the responses to "System Check Result Request" and "Diagnostic Memory Request". In order to distinguish the information detected in "System Check Mode" and "Diagnostic Memory Mode" in "ECHn", "CHEC", and "OLd" in "Detailed Information Mode 1", refer to the following:
- "SyS" is displayed before the detailed codes detected as a result of "System Check Result Request" are displayed.
- "COdE" is displayed before the detailed codes detected as a result of "Diagnostic Memory Request" are displayed.

HINT:
- The response to "System Check Result Request" is the current information given from each ECU as a result of the system check.
- The response to "Diagnostic Memory Request" contains the information received from each ECU or stored in each ECU in the past.
- The response to "Diagnostic Memory Request" is the output DTCs as a result of the diagnostic memory check or the DTCs received from each ECU.
- "System Check Result Request (SyS)" is displayed first, and then the logical address and DTC appear in order.
- "Diagnostic Memory Request (COdE)" is displayed first, and then the logical address, DTC, sub-code, connection check number, and the number of occurrence appear in order.


Service Check Mode:
P190
CLr
(*1)
(*2)
CHEC
PRESET SWITCH "3"
PRESET SWITCH "2"
Detailed Information Mode 1:
(DTC is detected only in the response to "Diagnostic Memory Request".)
(*1)
(*2)
(*3) _P440
PRESET SWITCH "5"
(Press for 2 seconds or more)
(*4) COdE
(*5) 1L_01
(*6) 1d_DC
(*7) 1P_190
(*8) 1n_3F
(*9) 1c_05
(*10) 2L_01
(*10) 2d_D6
(*11) 2P_---
(*8) 2n_bF
(*9) 2c_--
Detailed information of the first code is displayed.
Detailed information of the second code is displayed.
Continues to display detailed information when more DTCs are detected.
*1: SEEK TRACK DOWN
*2: SEEK TRACK UP
*3: P...Indicates physical address
440...Physical address
*4: "COdE" indicates the display start of the response to "Diagnostic Memory Request".
*5: 1...The first code
L...Indicates logical address
01...Logical address
*6: 1...The first code
d...Indicates DTC
DC...DTC
*7: Physical address appears as the sub-code.
*8: Connection check number
*9: The number of times of occurrence
*10: 2...The second code
*11: For DTCs without sub-codes, physical address is not displayed.
E110919E06

AV

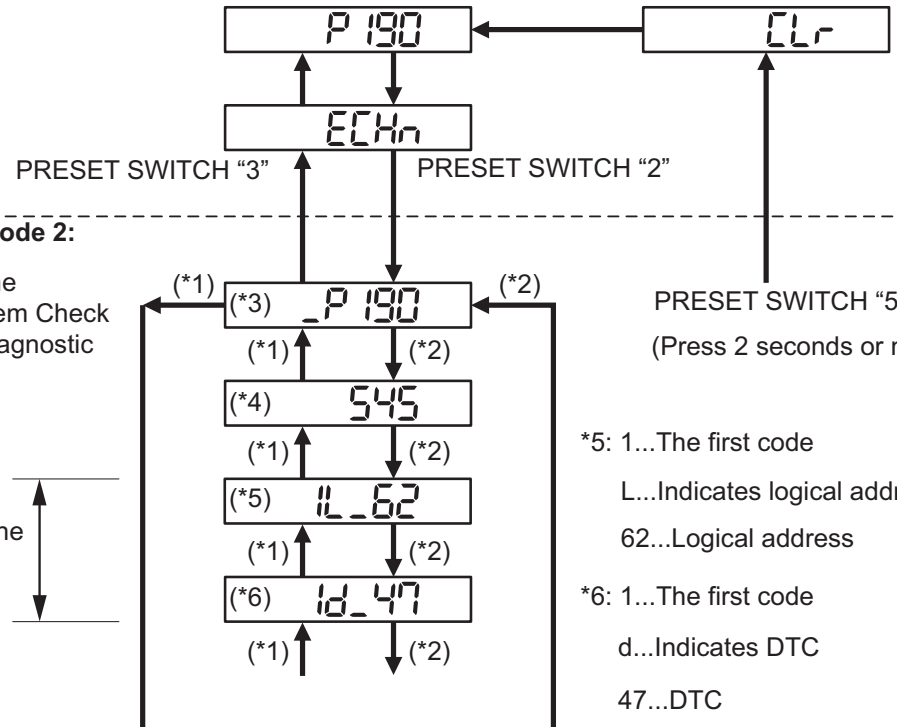
P

(f) Detailed information mode 2
HINT:
- "Detailed information mode 2" is displayed when DTCs are detected in the responses to both "System Check Result Request" and "Diagnostic Memory Request".
- The component device code (physical address) is displayed first, and then the check result follows.
- This illustration is only an example and may differ in cases such as for each option part and output DTCs.

(1) Press the preset switch "2" to go to the "Detailed Information Mode 2".
(2) Press the "SEEK TRACK" switch to display the physical address and DTC of the component.
(3) Press the preset switch "3" to go to the "Service Check Mode".
(4) Distinguish between the displays of the responses to "System Check Result Request" and "Diagnostic Memory Request". In order to distinguish the information detected in "System Check Mode" and "Diagnostic Memory Mode" in "ECHn", "CHEC", and "OLd" in "Detailed Information Mode 2", refer to the following:
- "SyS" is displayed before the detailed codes detected as a result of "System Check Result Request" are displayed.
- "COdE" is displayed before the detailed codes detected as a result of "Diagnostic Memory Request" are displayed.

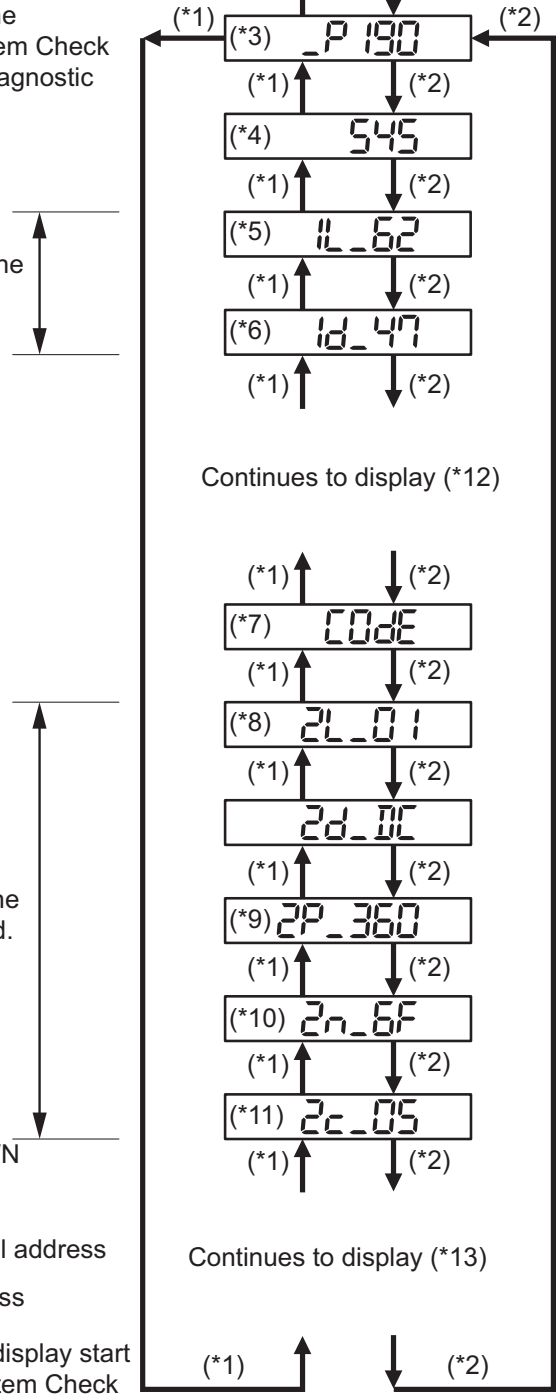
HINT:
- The response to "System Check Result Request" is the current information given from each ECU as a result of the system check.
- The response to "Diagnostic Memory Request" contains the information received from each ECU or stored in each ECU in the past.
- The response to "Diagnostic Memory Request" is the output DTCs as a result of the diagnostic memory check or the DTCs received from each ECU.
- "System Check Result Request (SyS)" is displayed first, and then the logical address and DTC appear in order.
- "Diagnostic Memory Request (COdE)" is displayed first, and then the logical address, DTC, sub-code, connection check number, and the number of occurrence appear in order.

System Check Mode:



Detailed Information Mode 2:

(DTCs are detected in the responses to both "System Check Result Request" and "Diagnostic Memory Request".)



PRESET SWITCH "5"
(Press 2 seconds or more)

Detailed information of the first code is displayed.

Detailed information of the second code is displayed.

*1: SEEK TRACK DOWN

*2: SEEK TRACK UP

*3: P...Indicates physical address
190...Physical address

*4: "SyS" indicates the display start of the response to "System Check Result Request".

*5: 1...The first code
L...Indicates logical address
62...Logical address

*6: 1...The first code
d...Indicates DTC
47...DTC

*7: "COdE" indicates the display start of the response to "Diagnostic Memory Request".

*8: 2...The second code

*9: Physical address appears as the sub-code.

*10: Connection check number

*11: The number of times of occurrence

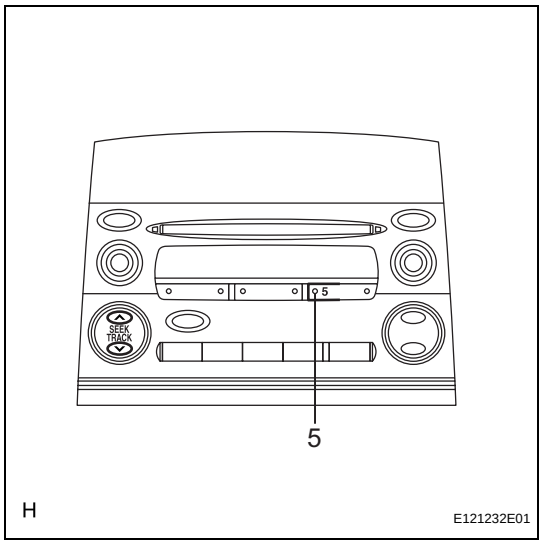
*12: Continues to display detailed information when more DTCs are detected in the response to "System Check Result Request".

*13: Continues to display detailed information when more DTCs are detected in the response to "Diagnostic Memory Request".

AV

P

E110918E05



7. DTC CLEAR/RECHECK

(a) Clearing All DTC Memory (when clearing all the memory of the DTCs previously detected).

(1) When the preset switch "5" is pressed for 2 seconds or more during "Service Check Mode", the DTCs for all components are cleared. ("CLr" is displayed at this time.)

HINT:

- A beep sound is emitted once when the DTC memory is completely cleared.
- When the DTC memory for all the components is cleared, only the component codes (physical address) are displayed.
- After the DTC memory is cleared, the "Service Check Mode" is restored.

(b) Clearing Individual DTC Memory (when clearing the memory of the DTC previously detected individually).

(1) When the preset switch "5" is pressed for 2 seconds or more during "Detailed Information Mode 1" or "Detailed Information Mode 2", the DTCs for the target component are cleared.

HINT:

- A beep sound is emitted once when the DTC memory is completely cleared.
- When the DTC memory is cleared, only the component code (physical address) is displayed for the target component.
- After the DTC memory is cleared, the "Service Check Mode" is restored.
- To check DTCs, press the preset switch "1" and perform the system check again.

(c) Press the preset switch "1" to perform the service check again, and check that no DTCs are displayed for all the component codes (physical address).