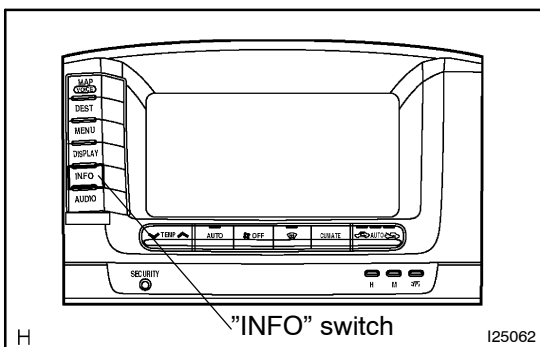


## PRE-CHECK

### 1. DIAGNOSTIC START-UP/FINISH

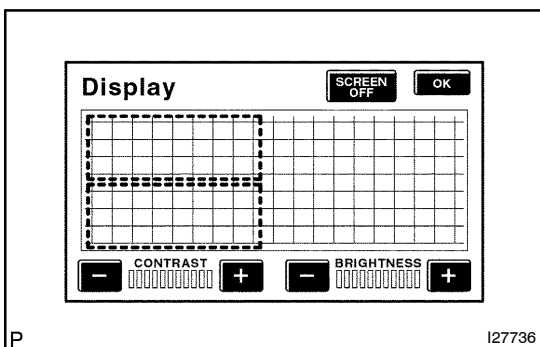
#### HINT:

- The illustrations may differ depending on the device settings (option, etc.). Therefore, some detailed areas may not be shown exactly same as on the actual vehicle.
  - After the ignition switch is turned on, check that the map is displayed before starting the diagnostic mode. Otherwise, some items cannot be checked.
- (a) There are 2 methods to start diagnostic mode. Start the mode by using one of them.



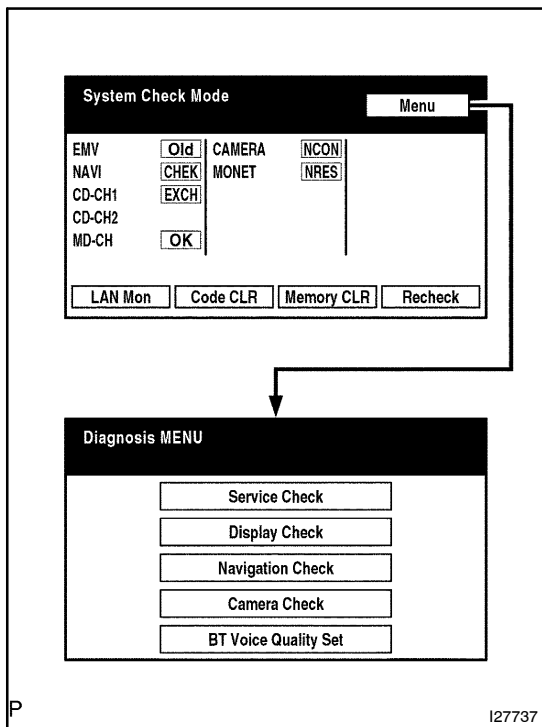
#### (b) Method 1

- (1) Start the engine.
- (2) While pressing and holding "INFO" switch, operate "TAIL" switch, OFF → TAIL → OFF → TAIL → OFF → TAIL → OFF.
- (3) The diagnostic mode starts and "Service Check" screen will be displayed. Service inspection starts automatically and the result will be displayed.



#### (c) Method 2

- (1) Start the engine.
- (2) Switch to the "Display Check" screen.
- (3) From the display adjustment screen, touch the corners of the screen in the following order: upper left → lower left → upper left → lower left → upper left → lower left.
- (4) The diagnostic mode starts and "Service Check" screen will be displayed. Service inspection starts automatically and the result will be displayed.



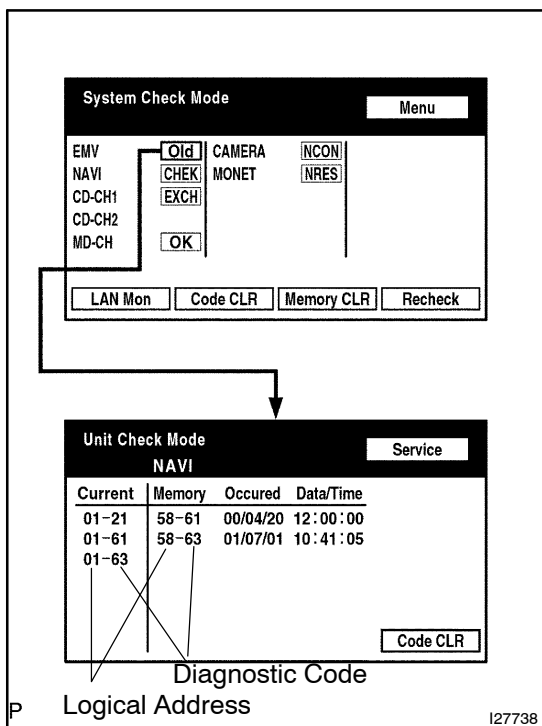
- (d) **Diagnosis MENU**  
Pressing the menu switch on the service check screen, diagnostic window will be displayed.
- (e) There are 2 methods to exit. Use one of them.
- (1) Turn the ignition switch off.
  - (2) Press the "Display" switch for 3 seconds.

## 2. SERVICE CHECK MODE (DTC CHECK)

### HINT:

The illustrations may differ depending on the device settings (option, etc.). Therefore, some detailed areas, may not be shown exactly same as on the actual vehicle.

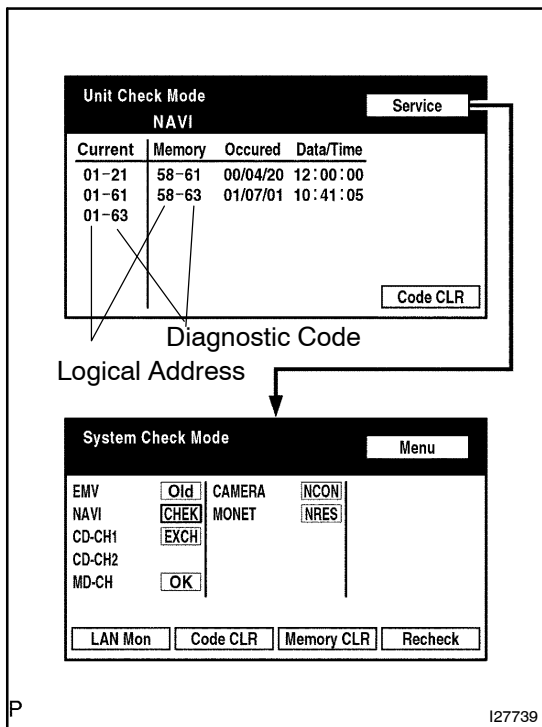
- (a) Start the diagnostic mode.



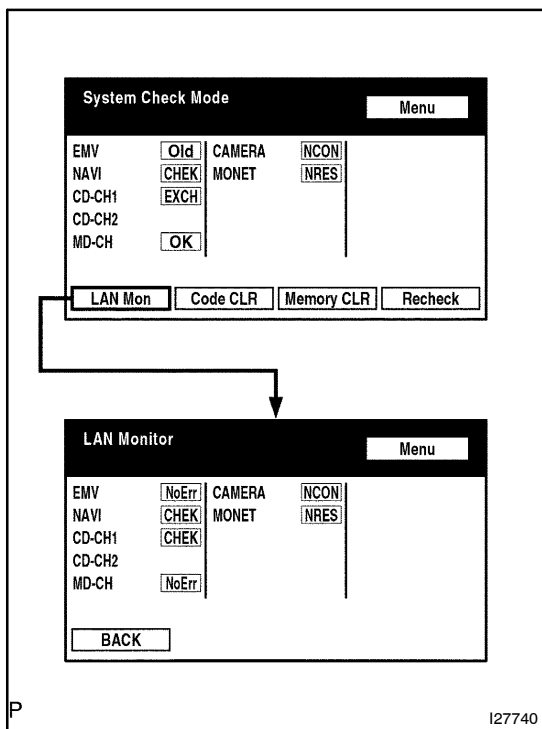
- (b) Read the service check result.  
If all devices report is "EXCH", "CHEK" or "Old" touch the display to check the contents on the "Unit Check Mode" screen and fill them on the customer problem analysis check sheet.

### HINT:

- If all check resultS are "OK" go to communication DTC check (Go to step 3).
- If a device name is not known, its physical address is displayed.

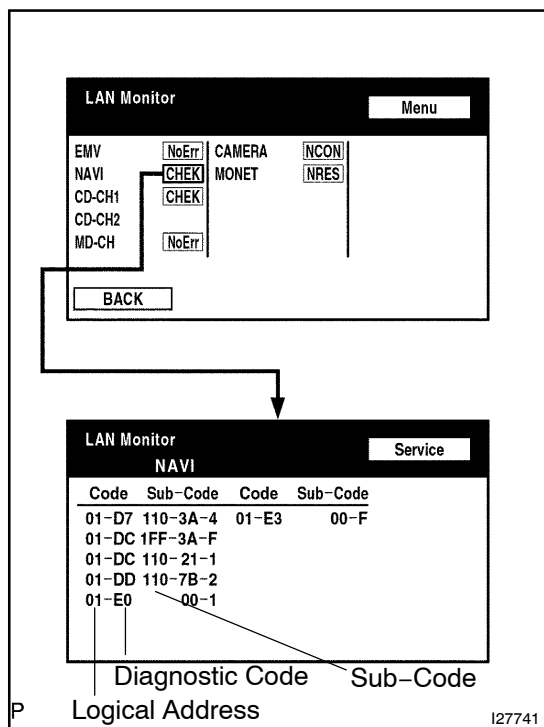
**HINT:**

If "EXCH", "CHEK" and "Old" as well as "OK" exist, press the service switch to return to the "System Check Mode". Then, check the "Unit Check Mode" screen and fill them in on the customer problem analysis check sheet.



(c) Read the communication diagnostic check result.

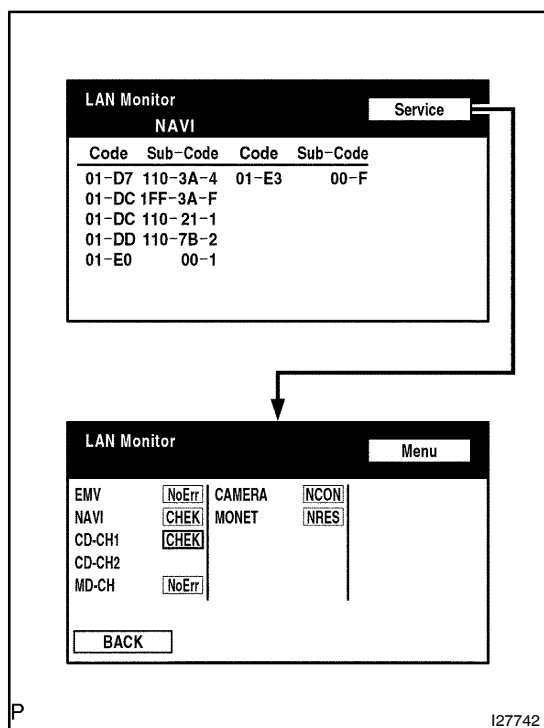
- (1) Return to the "System Check Mode", and press "LAN Mon" switch to enter the LAN monitor window.



- (2) If the result is "CHEK" or "Old" touch this display to check the contents on the "Unit Check Mode" screen and fill them in on the customer problem analysis check sheet.

## HINT:

- If all check results are "No Err" the system judges that no DTC exists.
- The sub-code (relevant device) will be indicated by its physical address.



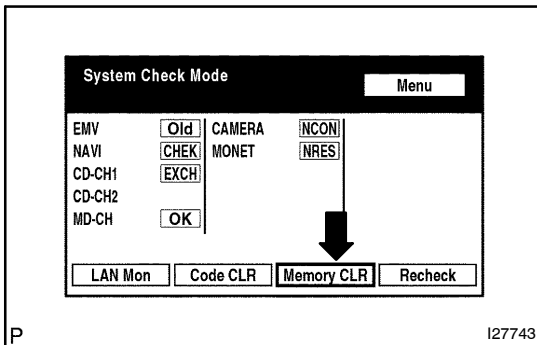
## HINT:

If other devices return "CHEK" press the "Service" switch to return to the "LAN Monitor" screen. Then, check the individual communication diagnostic screen for the next device and fill out the result on the customer problem analysis check sheet.

### 3. SERVICE CHECK MODE (DTC CLEAR/RECHECK)

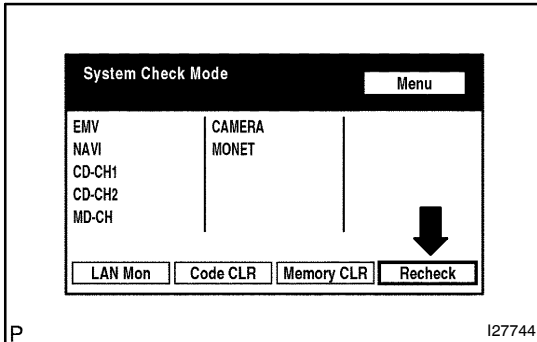
## HINT:

The illustrations may differ from the actual vehicle depending on the device settings and options.



## (a) Clear DTC

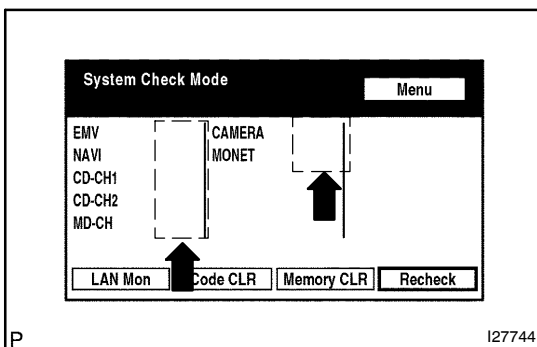
- (1) Press "Memory CLR" switch for 3 seconds.



- (2) Check result is cleared.

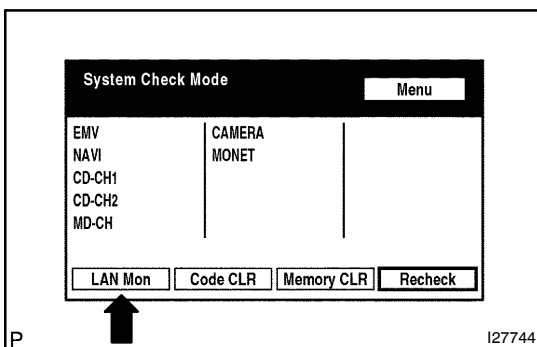
## (b) Recheck

- (1) Press the "Recheck" switch.

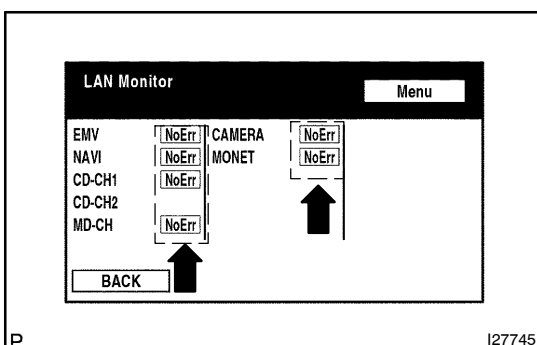


- (2) Confirm that all diagnostic codes are "OK" when the check results are displayed.

If a code other than "OK" is displayed, troubleshoot again.



- (3) Press "LAN Mon" to switch to "LAN Monitor" mode.



- (4) Confirm that all diagnostic codes are "No Err".

If a code other than "No Err" is displayed, troubleshoot again.

**4. FAIL-SAFE CHART**

If the television camera ECU detects a malfunction, the fail-safe functions shown in the table below are activated.

Malfunction parts	Detecting condition	Function "Manual Assist Mode"	Function "Serial Parking Assist Mode"
Television camera assy	• Transmission of television camera malfunction signal	Stops signal reception and displays a dark screen	Stops signal reception and displays a dark screen
Television camera ECU	• Malfunction of television camera ECU unit	Stops system operation	Stops system operation