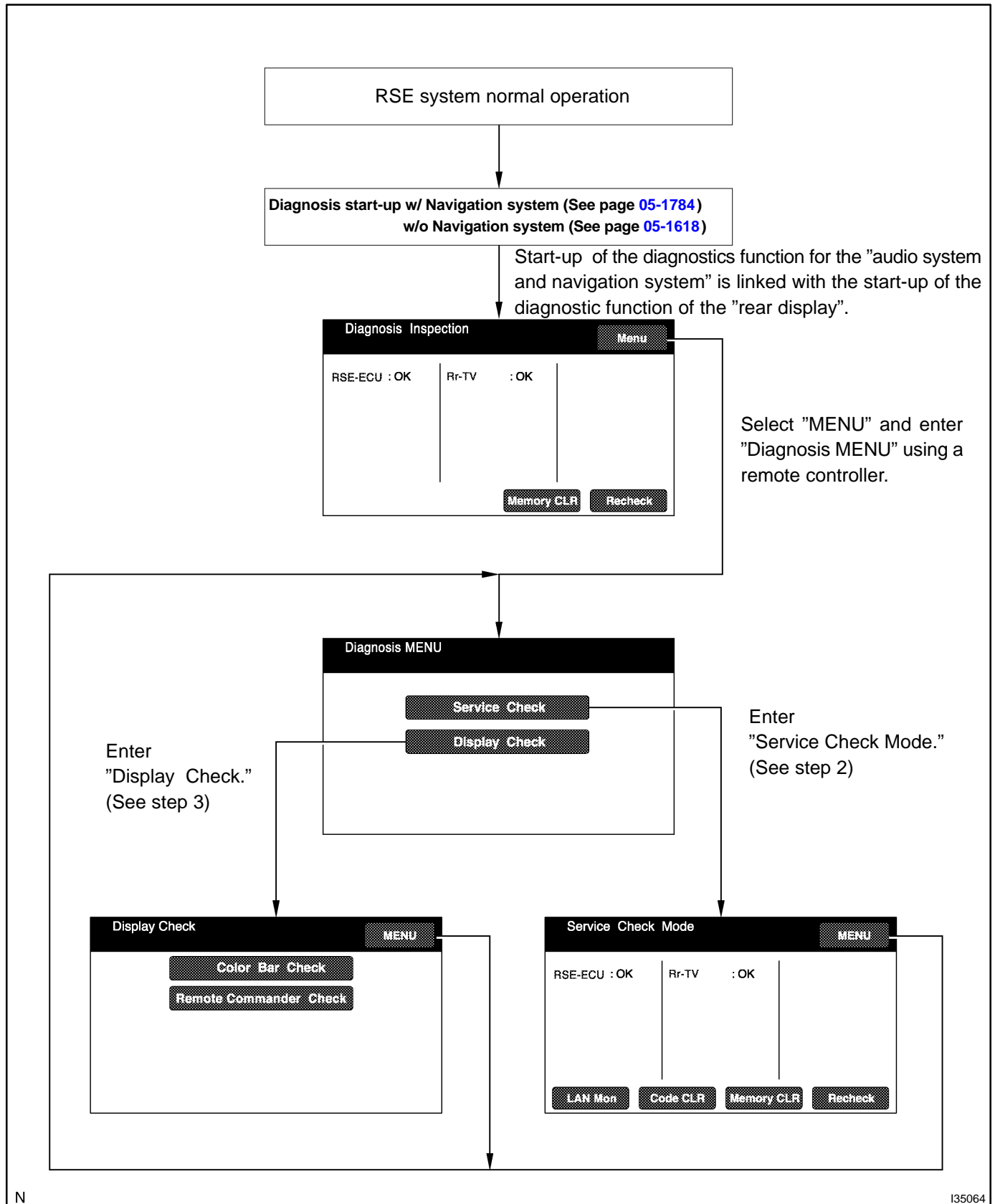


PRE-CHECK

1. DIAGNOSIS CHECK

HINT:

Diagnosis system mode is operated as follows.



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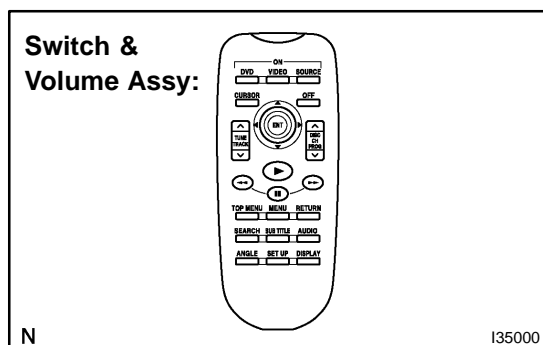
HINT:

RSE system inspects the devices consisting of Sub AVC-LAN multi-display controller sub-assy.

- (a) Starting Main AVC-LAN diagnosis mode (See page [05-1784](#) , [05-1618](#)).

HINT:

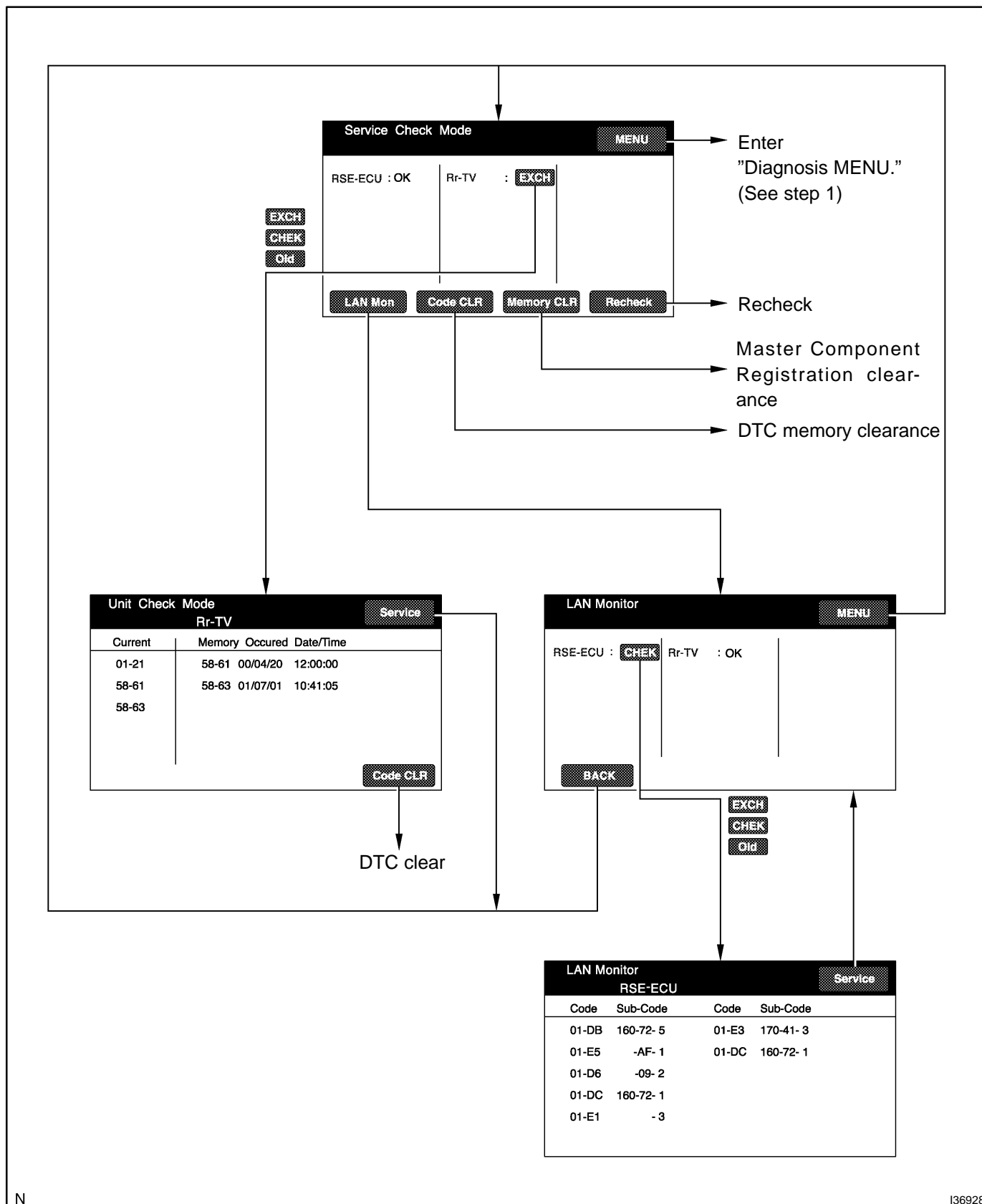
- Starting Main AVC-LAN operates the diagnosis mode, and sub AVC-LAN also automatically enters the diagnosis mode and performs the diagnosis mode operation on the multi-display controller sub-assy.
 - Use a switch & volume assy to operate diagnosis mode.
- (b) Finishing the diagnosis mode.
Turn the ignition switch off to finish the diagnosis mode.

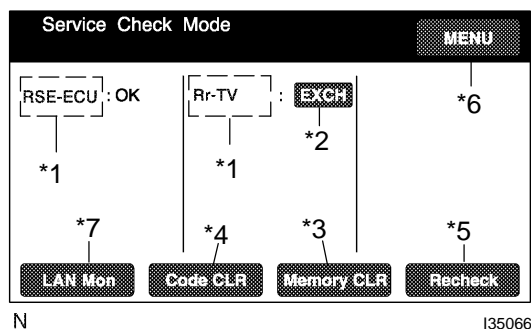


2. SERVICE CHECK MODE

HINT:

"Service Check Mode" is operated as follows.





(a) Service Check Mode

(1) Start the Diagnosis System.

Display Item	Function
Component Names/*1	Component names including optional components (15 components max.) are displayed. When the names are not identified, their physical addresses are displayed.
Check Result/*2	Check results are displayed.
Memory Clear switch/*3	Pressing this switch for 3 sec. deletes all the information about master component registration.
DTC Clear switch/*4	Pressing this switch for 3 sec. deletes diagnosis memory of all the components. It deletes the check results.
Recheck/*5	Pressing this switch performs Service Check again.
MENU/*6	Pressing this switch activates the Diagnosis Menu screen.
LAN Monitor screen switch/*7	Pressing this switch activates the LAN Monitor screen, which displays the logical address 01 with DTC D0 - FE.

Components/*1

Display	Name
RSE-ECU	Multi-display Controller Sub-assy
Rr-TV	Television Display Assy

HINT:

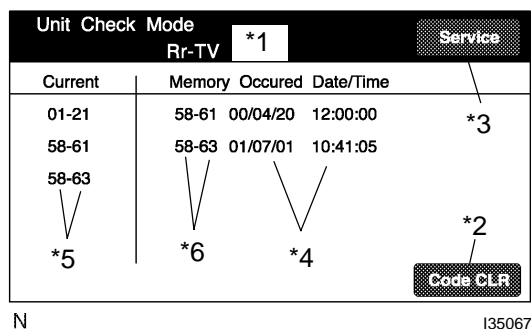
Service Check displays the check results based on the information obtained from each component's response to "System Check Execution" and "Diagnosis Memory Request", and the information of "Current DTC Notification" (the "Unit Check" that will be displayed on the next screens).

(2) Read Check Result

Check Result	Meaning
OK	No DTC is identified.
EXCH	One or more DTCs requesting an exchange are detected.
CHEK	One or more DTCs requesting a check are detected.
NCON	No connection response to Diagnosis System start-up, however it has connection response to the AVC LAN system when the power switch is turned on (when IG is turned to the ACC position).
Old	One or more DTCs are detected because of old version.
NRES	No response to the information about the Diagnosis System, whereas it responds to the Diagnosis System start-up.

HINT:

- After repairing and checking, press "Code CLR" for more than 3 seconds to delete diagnosis memory.
- After deleting diagnosis memory, press "Recheck" and make sure "OK" is displayed on the screen.

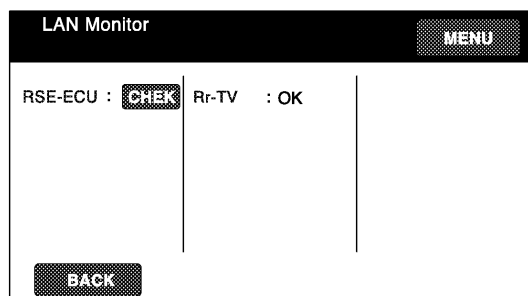


- (3) "EXCH", "CHEK" and "Old" can be used as switches to activate "Unit Check Mode" for detailed information. When inspecting the malfunctioning area, refer to the DTC code list.

Display Item	Description
Component name/*1	Name of component to be checked is displayed.
DTC clear switch/*2	Pressing this switch for 3 sec. deletes DTC memory of the selected diagnosis component.
Service check mode screen switch/*3	Pressing this returns to the Service Check Mode screen.
Date/Time/*4	The date and time stamped at the time of DTC occurrence are displayed in the order of year-month-day-hour-minute-second. (If the date and time data is invalid, it is displayed as a blank.)
Current/ *5	Up to 6 DTC codes detected during the System Check are displayed.
Memory/ *6	DTC memories stored and current DTC notification are displayed.

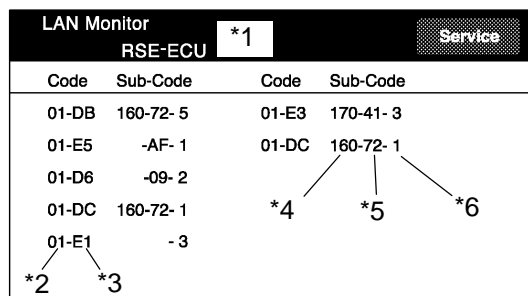
HINT:

- Detecting unit DTC activates the "Unit Check Mode" on the screen.
- In the "Unit Check Mode", DTCs which are identified as "EXCH" in the "Service Check" are classified into "Current" DTC and "Past" DTC.



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- (4) "CHECK" can be used as a switch to activate "LAN Monitor" for detailed information. When inspecting the malfunctioning area, refer to the DTC code list.

Display Item	Description
Component name/*1	Names of component to be checked are displayed.
Segment/*2	Logical address codes corresponding to DTC are displayed.
DTC/*3	DTC is displayed.
Sub-Code (address numbers of related components)/*4	Physical address codes memorized together with DTC are displayed.
Sub-code (Connection confirmation number) /*5	Connection confirmation numbers memorized together with DTC are displayed.
Sub-code (Number of occurrence) /*6	The number of occurrence of the same DTC is displayed.

HINT:

- Detecting no LAN DTC activates the LAN Monitor on the screen.
- The LAN Monitor chooses and displays the LAN DTC out of DTC of components identified as "CHEK" in the LAN Monitor.

(5) Read Check Result

Check Result	Meaning
OK	No DTC is identified.
CHEK	One or more DTCs requesting a check are detected.
NCON	No connection response to Diagnosis System start-up, however it has connection response to the AVC-LAN system when the power switch is turned on (when IG is turned to the ACC position).
NRES	No response to the information about the Diagnosis System, whereas it responds to the Diagnosis System start-up.
Old	One or more DTCs are detected because of old version.

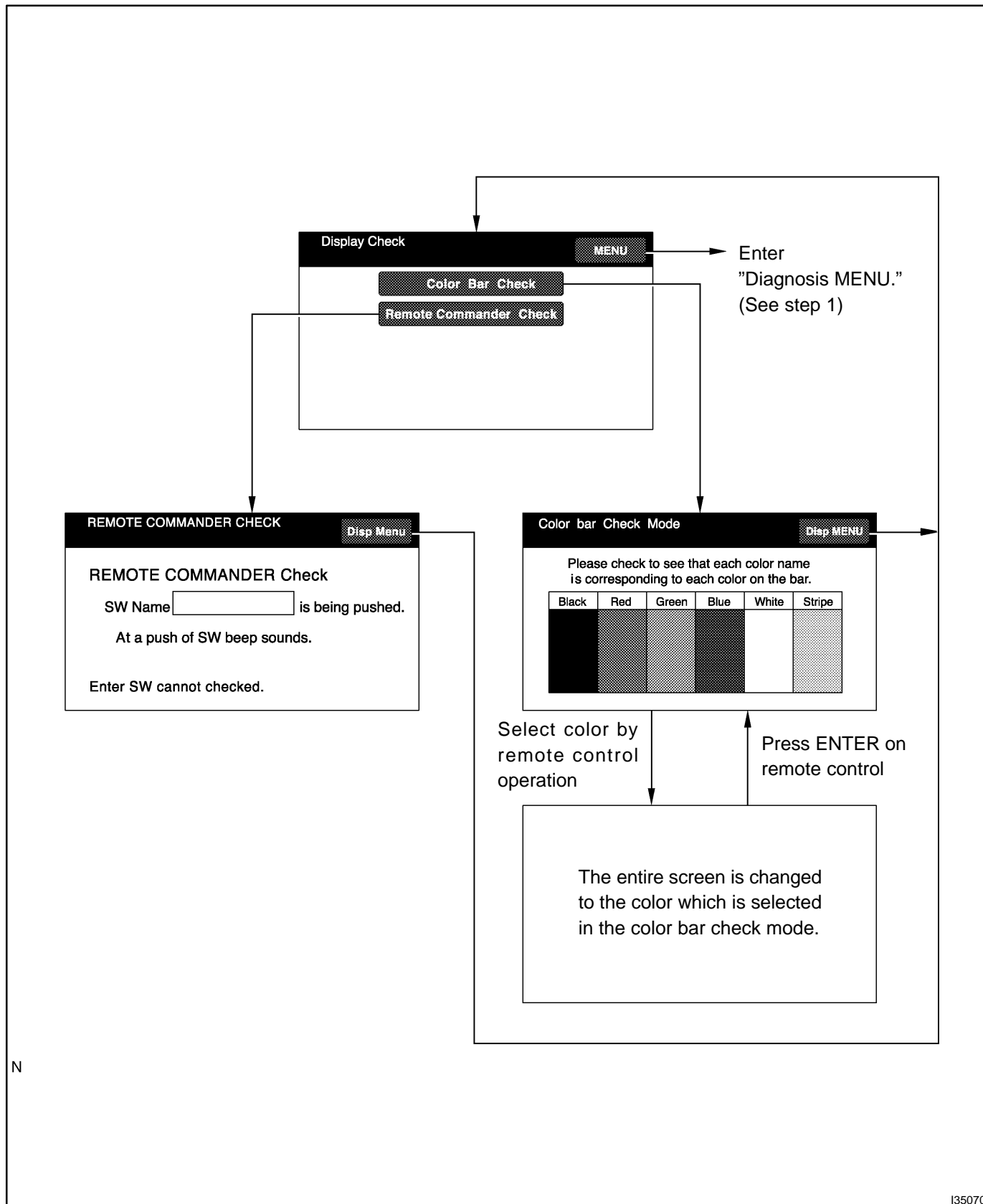
HINT:

- After repairing and checking, press "Code CLR" for more than 3 seconds to delete diagnosis memory.
- After deleting diagnosis memory, press "Recheck" and make sure "OK" is displayed on the screen.

3. DISPLAY CHECK MODE

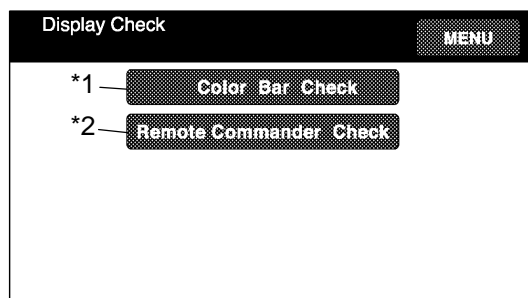
HINT:

Display check mode is operated as follows.



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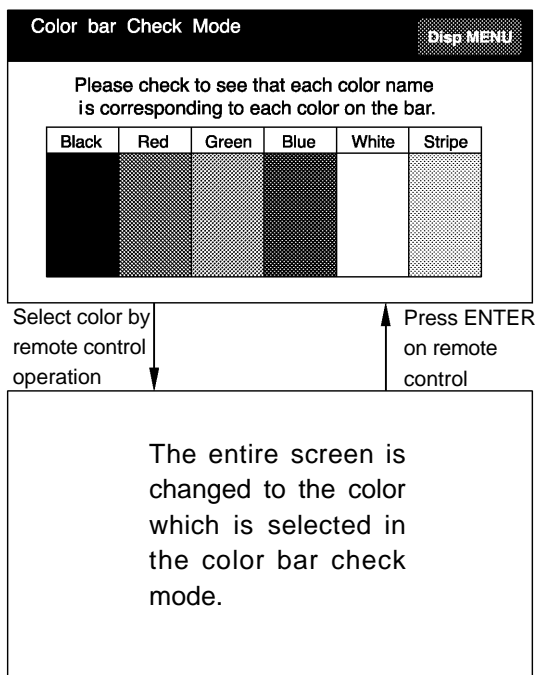
I35071

(a) Display Check Mode

Display	Contents
Color Bar Check/*1	Color display is checked.
Remote Commander/*2	Operating condition of remote commander display is checked.

HINT:

In Display Check Mode, above checks can be performed.



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I35072

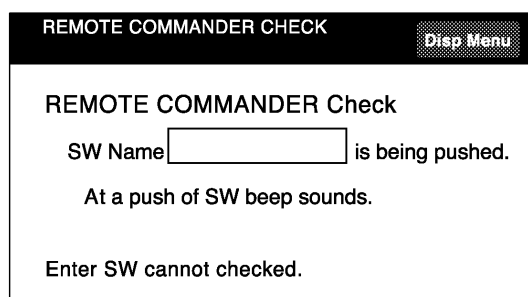
(b) Display Color Bar Check

- (1) Start the Diagnosis System.
- (2) Select "MENU".
- (3) Select "Display Check".
- (4) Select "Color Bar Check".
- (5) Make sure that each color name is corresponding to each color on the bar.

HINT:

Select Black, Red, Green, Blue, White and Stripe to display selected colors and stripe on the entire screen.

- (6) Compare the color with the "Color Bar Check", and make sure that the color is the same.



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(c) Display Remote Commander Check

- (1) Start the Diagnosis system.
- (2) Select "MENU".
- (3) Select "Display Check".
- (4) Select "Remote Commander".
- (5) Press each switch and make sure that it corresponds to the display on the screen.