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Model Year Start: 2015	Model: RC F	Prod Date Range: [09/2014 - 11/2017]
Title: NAVIGATION / MULTI INFO DISPLAY: NAVIGATION SYSTEM: DTC CHECK / CLEAR; 2015 - 2017 MY RC F [09/2014 - 11/2017]		

DTC CHECK / CLEAR

CHECK DTC (CHECK USING TECHSTREAM)

- (a) Connect the Techstream to the DLC3.
- (b) Turn the engine switch on (IG).
- (c) Turn the Techstream on.
- (d) Enter the following menus: Body Electrical / Navigation System / Trouble Codes.

Body Electrical > Navigation System > Trouble Codes

- (e) Check for DTCs, and then write them down.
- (f) Check the details of the DTC(s).

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NOTICE:

The navigation system outputs DTCs for the following system. When DTCs other than those in Diagnostic Trouble Code Chart for the navigation system are output, refer to Diagnostic Trouble Code Chart for the relevant system.

SYSTEM	PROCEED TO
Parking Assist Monitor System	INFO

CLEAR DTC (CLEAR USING TECHSTREAM)

- (a) Connect the Techstream to the DLC3.
- (b) Turn the engine switch on (IG).
- (c) Turn the Techstream on.
- (d) Enter the following menus: Body Electrical / Navigation System / Trouble Codes.

Body Electrical > Navigation System > Clear DTCs

- (e) Clear the DTCs.

START DIAGNOSTIC MODE

HINT:

- Illustrations may differ from the actual vehicle screen depending on the device settings and options. Therefore, some detailed areas may not be shown exactly the same as on the actual vehicle screen.
- If the system cannot enter diagnostic mode, inspect all AVC-LAN communication components and repair or replace the malfunctioning parts.

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- After the engine switch is turned on (IG), check that the map is displayed before starting diagnostic mode. Otherwise, some items cannot be checked.

- (a) There are 2 methods to start diagnostic mode. Start diagnostic mode by using either of them.
- (b) Method 1
 - (1) Turn the engine switch on (IG).

(2) While pressing and holding the "MENU" switch, operate the light control switch: Off → Tail → Off → Tail → Off → Tail → Off.

(c) Method 2

(1) Turn the engine switch on (IG).

(2) Press the seek/track up panel switch 5 times and then press the seek/track down panel switch 5 times with the screen and audio turned off.

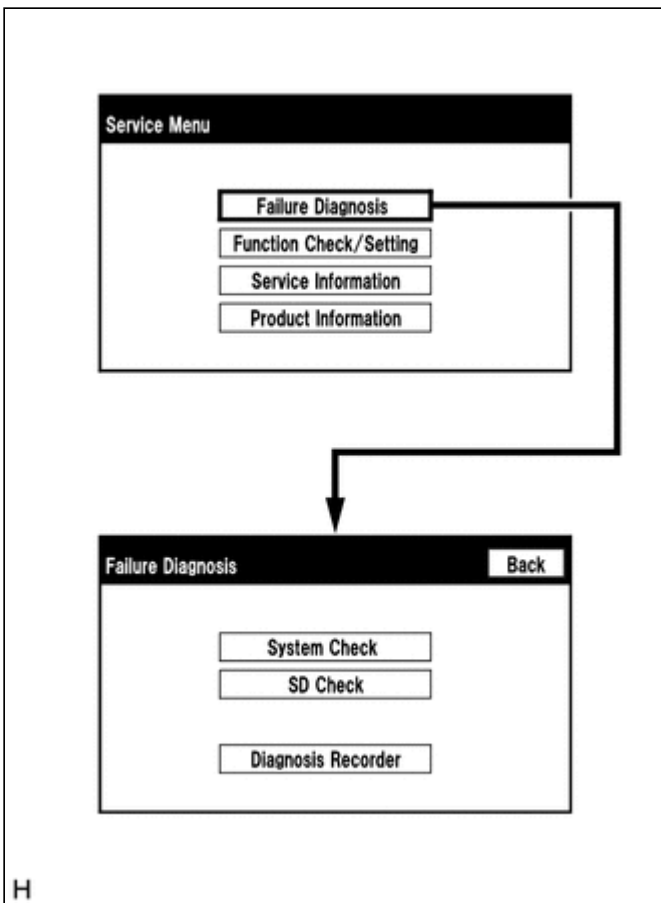
HINT:

- Diagnostic mode can only be started if the above operation is completed within 15 seconds of the first press of the seek/track up panel switch.
- If the operation is not completed within 15 seconds of the first press of the seek/track panel switch or fails, turn the screen and audio on and then off again before attempting to start diagnostic mode.

(d) Diagnostic mode starts and the "Service Menu" screen will be displayed. Service inspection starts automatically and the result will be displayed.

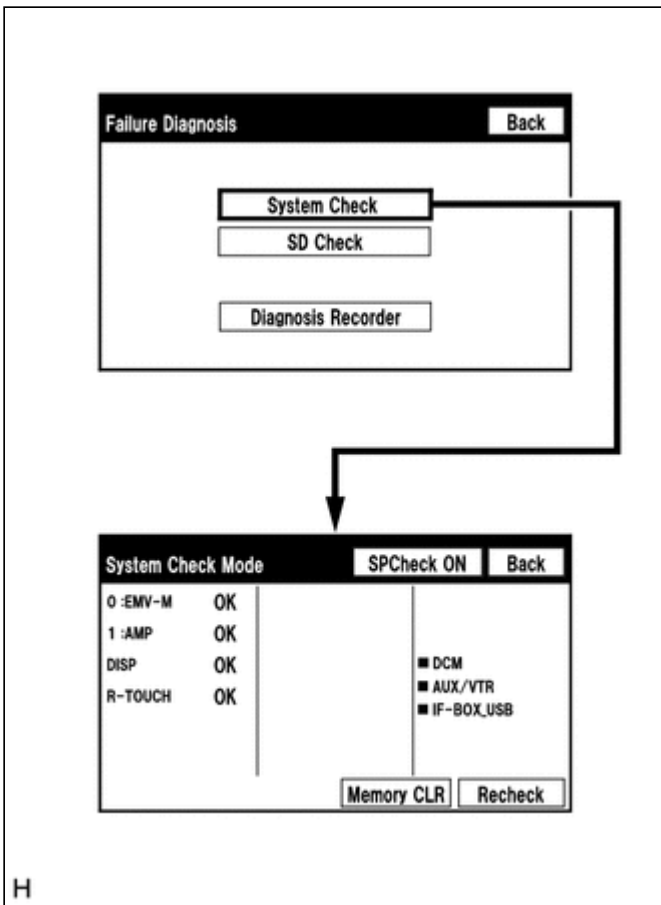
FAILURE DIAGNOSIS

(a) The "Failure Diagnosis" screen will be displayed by selecting "Failure Diagnosis" on the "Service Menu" screen.



SYSTEM CHECK

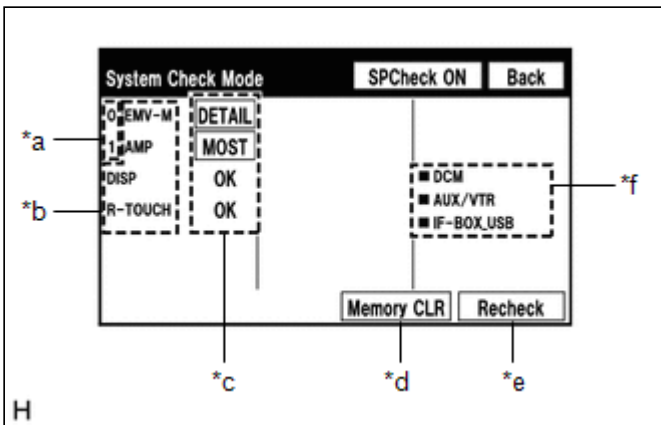
(a) The "System Check Mode" screen will be displayed by selecting "System Check" on the "Failure Diagnosis" screen.



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CHECK DTC (CHECK USING SYSTEM CHECK MODE SCREEN)

(a) System check mode screen description



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Screen Description

DISPLAY	CONTENT
*a: Node position number for devices connected to the MOST network.	MOST network node position numbers are provided for devices connected to the MOST network.
*b: Device Name List No. 1	<ul style="list-style-type: none"> • Device Name List No. 1 displays some of the devices that make up the navigation system. • The names of the components from Device Name List No. 1 are shown in the following table.

DISPLAY	CONTENT
*c: Check Result	<ul style="list-style-type: none"> Result codes for all devices are displayed. When "MOST" is displayed for the result, select "MOST" on the multi-display assembly to display the "MOST Line Check" screen.
*d: Memory Clear	<ul style="list-style-type: none"> Present and history DTCs and registered connected device names are cleared. Select "Memory CLR" for 3 seconds.
*e: Recheck	<ul style="list-style-type: none"> A system check will be performed again after the memory is cleared. "Recheck" will dim during a system check.
*f: Device Name List No. 2	<ul style="list-style-type: none"> Device Name List No. 2 displays some of the devices that make up the navigation system. The names of the components from Device Name List No. 2 are shown in the following table.

***b: Device Name List No. 1 Description**

NAME	COMPONENT	CONNECTION METHOD
EMV-M	Radio receiver assembly	-
AMP	Stereo component amplifier assembly	MOST communication line
DISP	Multi-display assembly	AVC-LAN communication line
R-TOUCH	Remote touch (remote operation controller assembly)	Local bus communication line

***c: Check Result Description**

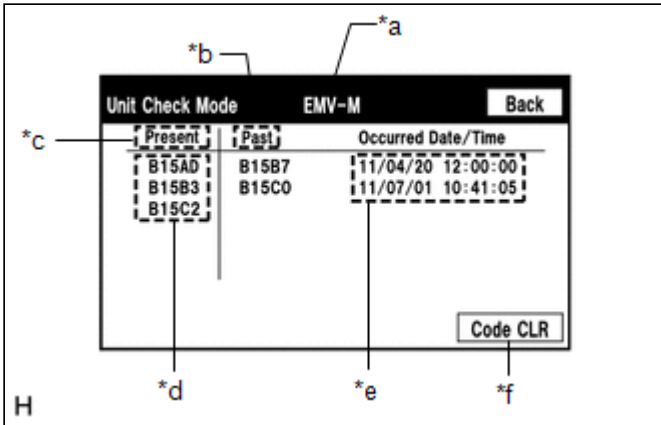
RESULT	MEANING	ACTION
OK	The device does not respond with a DTC.	-
MOST	MOST communication error	Perform "MOST Line Check" to check the connection of each device on the MOST network.
DETAIL	The device responds with a DTC.	Read the DTCs on the "Unit Check Mode" screen.
NCON	The device was previously present, but does not respond in diagnostic mode.	<ul style="list-style-type: none"> - Check the power supply circuit of the device. - Check the communication line of the device.
NRES	The device responds in diagnostic mode, but gives no DTC information.	<ul style="list-style-type: none"> - Check the power supply circuit of the device. - Check the communication line of the device.

***f: Device Name List No. 2 Description**

NAME	COMPONENT	CONNECTION METHOD
DCM	DCM (telematics transceiver)*	USB communication line
AUX/VTR	No. 1 stereo jack adapter assembly	Vehicle wire harness
IF-BOX_USB	No. 1 stereo jack adapter assembly	USB communication line

*: w/ Manual (SOS) Switch

(b) Unit check mode screen description



Screen Description

DISPLAY	CONTENT
*a: Device name	Target device
*b: History DTC	Diagnostic memory results and stored DTCs are displayed.
*c: Current DTC	DTCs output in the service check are displayed.
*d: DTC	DTC (Diagnostic Trouble Code)
*e: Timestamp	The time and date of history DTCs are displayed. (The year is displayed in 2-digit format.)
*f: Diagnosis clear	Selecting "Code CLR" for 3 seconds clears the diagnostic memory data of the target device. (Both diagnostic system check result and the displayed data are cleared.)

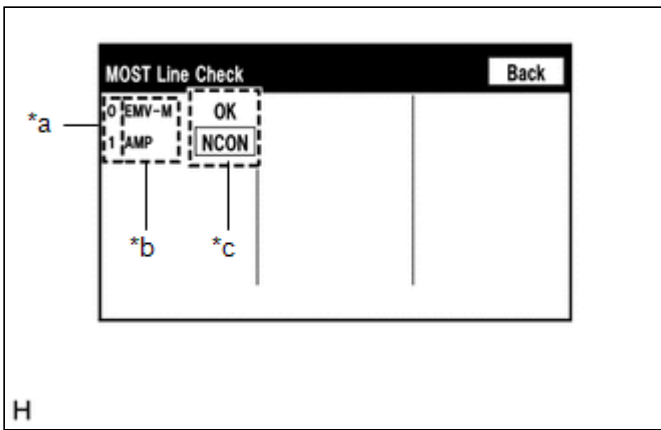
HINT:

- This screen is updated once per second.
- A maximum of 6 DTCs can be displayed for history and present DTCs.

(c) MOST line check screen description

HINT:

- The inspection will be performed at the time the screen changes from "System Check Mode" to "MOST Line Check".
- The master unit checks the connection of each device on the MOST network.



Screen Description

DISPLAY	CONTENT
*a: Node position number for devices connected to the MOST network.	MOST node position numbers are provided for devices connected to the MOST network.
*b: Device Name List	<ul style="list-style-type: none"> • Device Name List displays some of the devices that make up the navigation system. • The names of the components from Device Name List are shown in the following table.
*c: Check Result	The master unit displays the check result on the screen based on the response information from each slave unit.

***b: Device Name List**

NAME	COMPONENT
EMV-M	Radio receiver assembly
AMP	Stereo component amplifier assembly

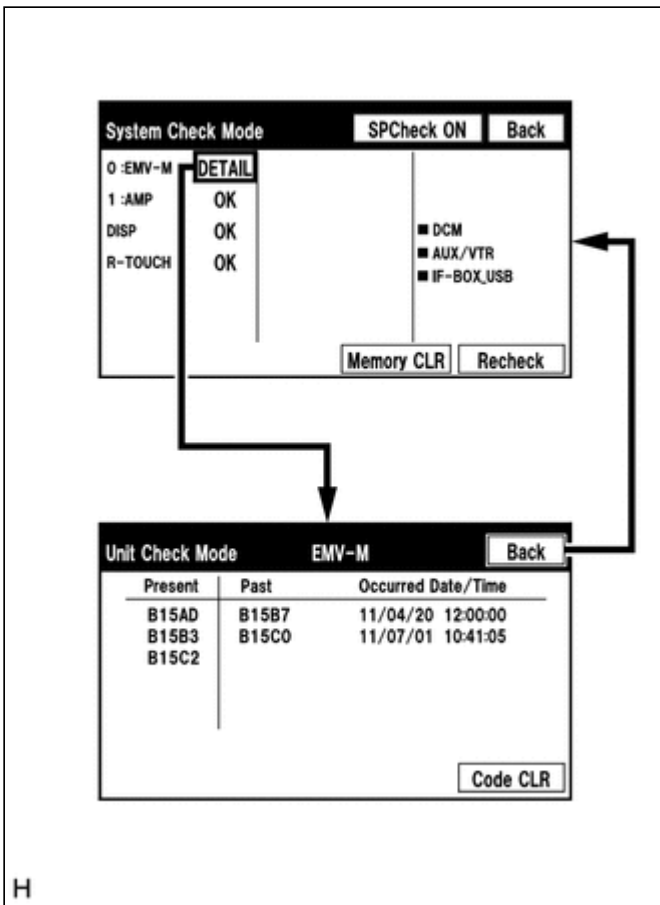
***c: Check Result**

RESULT	MEANING
OK	There was a response for the connection check during the MOST line check.
NCON	There was no response for the connection check during the MOST line check.

HINT:

The device name and result will not be displayed if there is no system registration record and no response for the connection check during the MOST line check even if the device is connected to the MOST network.

(d) Read the system check result.



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(1) If the check result is "DETAIL", select the displayed check result to view the results on the "Unit Check Mode" screen and record them.

NOTICE:

A maximum of 6 DTCs can be displayed for history and present DTCs on the "Unit Check Mode" screen. Therefore, when 6 DTCs are displayed, troubleshoot those DTCs first and then check the "Unit Check Mode" screen again to see if any other DTCs are displayed.

HINT:

- When all results are "OK", no DTCs are present.
- When "MOST" is displayed for the result, select "MOST" to display the "MOST Line Check" screen and check the MOST network.
- Changing to the "MOST Line Check" screen is possible only when the MOST network is malfunctioning and "MOST" is displayed for the result.
- If the MOST network had a malfunction in the past, DTCs will be displayed in the Memory column.
- When "NCON" is displayed for all devices connected via AVC-LAN communication, or when all device names are not displayed, check if there is a short in an AVC-LAN line or device connected to the AVC-LAN. Repair or replace parts as necessary.

Click here [INFO](#)

- When proceeding to view the results of another device, select "Back" to return to the "System Check Mode" screen. Repeat the above step to view the results of other devices.

(2) Check the details of the DTC(s).

Click here [INFO](#)

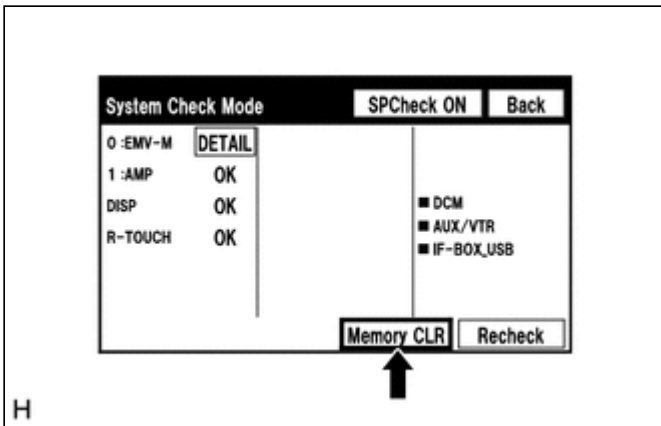
NOTICE:

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SYSTEM	PROCEED TO
Parking Assist Monitor System	INFO

DTC CLEAR/RECHECK (CLEAR USING SYSTEM CHECK MODE SCREEN)

(a) Clear DTCs

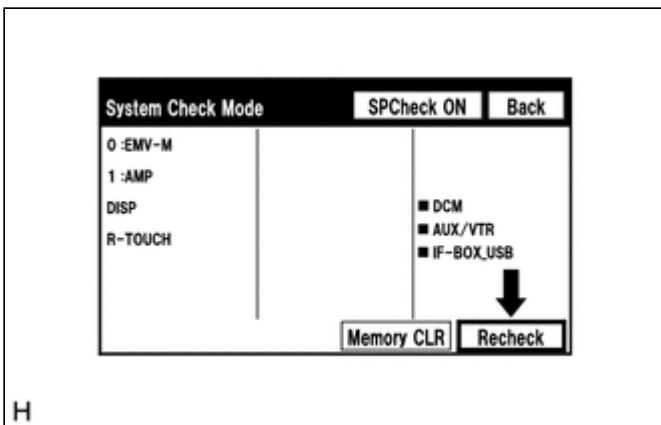


- (1) Select "Memory CLR" for 3 seconds.
- (2) Check that the check results are cleared.

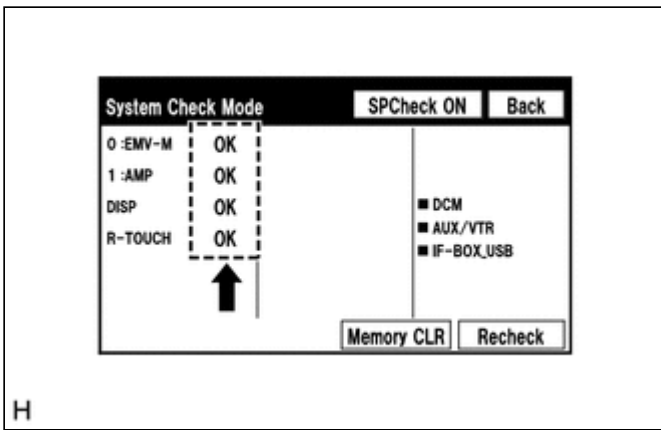
HINT:

- To clear the DTCs for a specific device, use the "Unit Check Mode" screen.
- When clearing the DTCs using the "Unit Check Mode" screen, select "Code CLR" for 3 seconds.

(b) Recheck



- (1) Select "Recheck".
- (2) Check that all diagnostic codes are "OK" when the check results are displayed. If a result other than "OK" is displayed, perform troubleshooting again.



HINT:

When the DTCs are cleared using the "Unit Check Mode" screen, select "Back" to return to the "System Check Mode" screen and perform this operation.

FINISH DIAGNOSTIC MODE

- (a) Turn the engine switch off.

