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<b>Model Year Start:</b> 2014	<b>Model:</b> GX460	<b>Prod Date Range:</b> [08/2013 - ]
<b>Title:</b> NAVIGATION / MULTI INFO DISPLAY: NAVIGATION SYSTEM: DTC CHECK / CLEAR; 2014 MY GX460 [08/2013 - ]		

## DTC CHECK / CLEAR

### 1. 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.
- (e) Check for DTCs, and then write them down.
- (f) Check the details of the DTC(s).

### 2. 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.
- (e) Clear the DTCs.

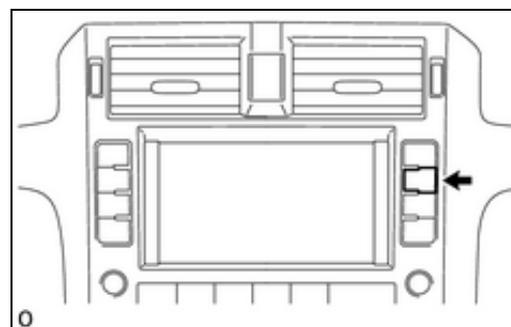
### 3. START DIAGNOSTIC MODE

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

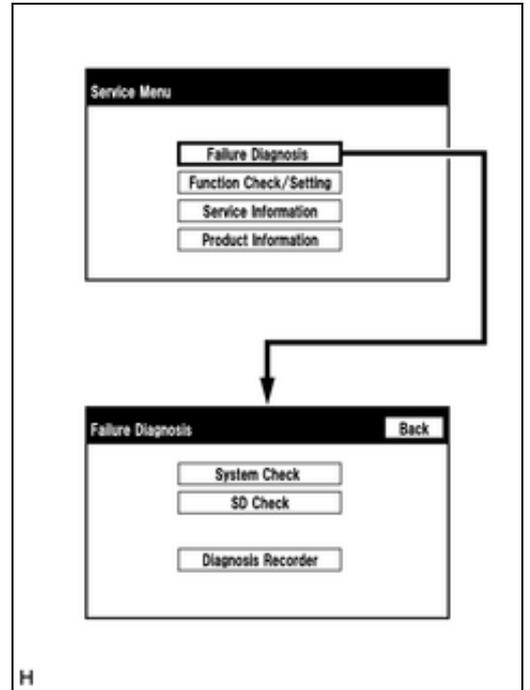
- (a) Start the engine.
- (b) While pressing and holding the "INFO APPS" switch of the multi-display assembly, operate the light control switch: Off → Tail → Off → Tail → Off → Tail → Off.

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



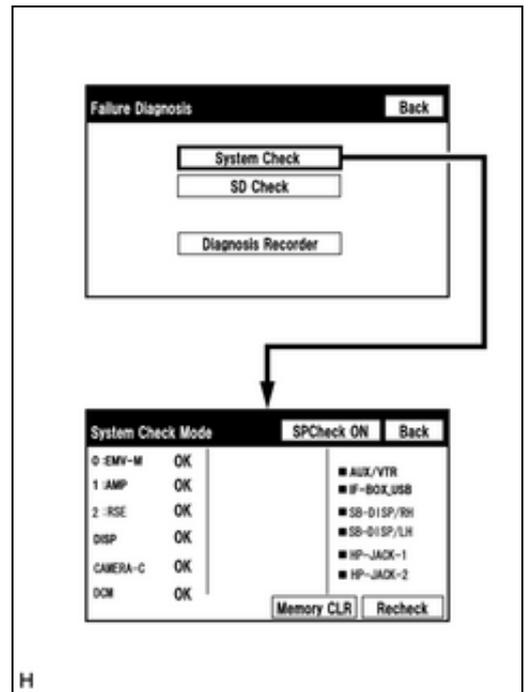
### 4. FAILURE DIAGNOSIS

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



**5. SYSTEM CHECK**

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



**6. CHECK DTC (CHECK USING SYSTEM CHECK MODE SCREEN)**

(a) System check mode screen description

**Screen Description**

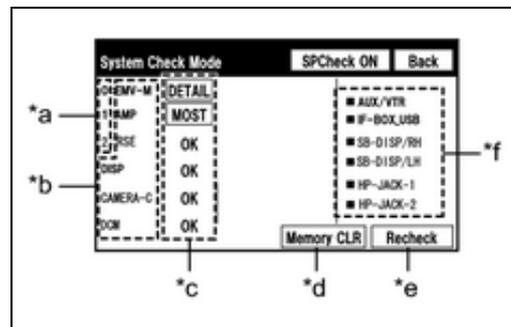
DISPLAY	CONTENT
*a: Node position number for devices	MOST network node position numbers are

connected to the MOST network.	provided for devices connected to the MOST network.
*b: Device Name List No. 1	<ul style="list-style-type: none"> <li>• Device Name List No. 1 displays some of the devices that make up the navigation system.</li> <li>• The names of the components from Device Name List No. 1 are shown in the following table.</li> </ul>
*c: Check Result	<ul style="list-style-type: none"> <li>• Result codes for all devices are displayed.</li> <li>• When "MOST" is displayed for the result, select "MOST" on the multi-display assembly to display the "MOST Line Check" screen.</li> </ul>
*d: Memory Clear	<ul style="list-style-type: none"> <li>• Present and history DTCs and registered connected device names are cleared.</li> <li>• Select "Memory CLR" for 3 seconds.</li> </ul>
*e: Recheck	<ul style="list-style-type: none"> <li>• A system check will be performed again after the memory is cleared.</li> <li>• "Recheck" will dim during a system check.</li> </ul>
*f: Device Name List No. 2	<ul style="list-style-type: none"> <li>• Device Name List No. 2 displays some of the devices that make up the navigation system.</li> <li>• The names of the components from Device Name List No. 2 are shown in the following table.</li> </ul>

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

NAME	COMPONENT	CONNECTION METHOD
EMV-M	Multi-media module receiver assembly	-
AMP	Stereo component amplifier assembly	Communication line for MOST network

RSE	Multi-display controller sub-assembly*1	Communication line for MOST network
DISP	Multi-display assembly	Communication line for AVC-LAN
CAMERA-C	Parking assist ECU*2	Communication line for AVC-LAN
DCM	DCM (Telematics Transceiver)*3	Communication line for USB



\*1: w/ Rear Seat Entertainment System

\*2: w/ Side Monitor System

\*3: w/ Manual (SOS) Switch

**\*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.	Look up the DTC in "Unit Check Mode".
NCON	The device was previously present, but does not respond in diagnostic mode.	- Check power supply wire harness of the device. - Check the AVC-LAN or MOST network of the device.
NRES	The device responds in diagnostic mode, but gives no DTC information.	- Check power supply wire harness of the device. - Check the AVC-LAN or MOST network of the device.

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

NAME	COMPONENT	CONNECTION METHOD
AUX/VTR	No. 1 stereo jack adapter assembly	Vehicle wire harness
IFBOX_USB	No. 1 stereo jack adapter assembly	Communication line for USB
SB-DISP/RH	Television display assembly RH*	Communication line for GYIF
SB-DISP/LH	Television display assembly LH*	Communication line for GYIF

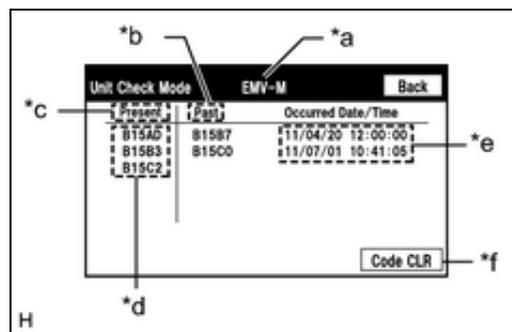
HP-JACK-1	Headphone terminal RH*	Vehicle wire harness
HP-JACK-2	Headphone terminal LH*	Vehicle wire harness

\*: w/ Rear Seat Entertainment System

(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 switch	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	MOST node position numbers are provided for devices connected

connected to the MOST network.	to the MOST network.
*b: Device Name List	<ul style="list-style-type: none"> <li>• Device Name List displays some of the devices that make up the navigation system.</li> <li>• The names of the components from Device Name List are shown in the following table.</li> </ul>
*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	Multi-media module receiver assembly
AMP	Stereo component amplifier assembly
RSE	Multi-display controller sub-assembly*

\*: w/ Rear Seat Entertainment System

**\*c: Check Result**

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