Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000029181
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: DIAGNOSIS SYSTEM; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DIAGNOSIS SYSTEM

PANORAMIC VIEW MONITOR DIAGNOSIS SYSTEM

(a) For panoramic view monitor system diagnosis, signals received by the parking assist ECU can be checked, and the panoramic view monitor system can be calibrated, adjusted and checked using the radio and display receiver assembly.
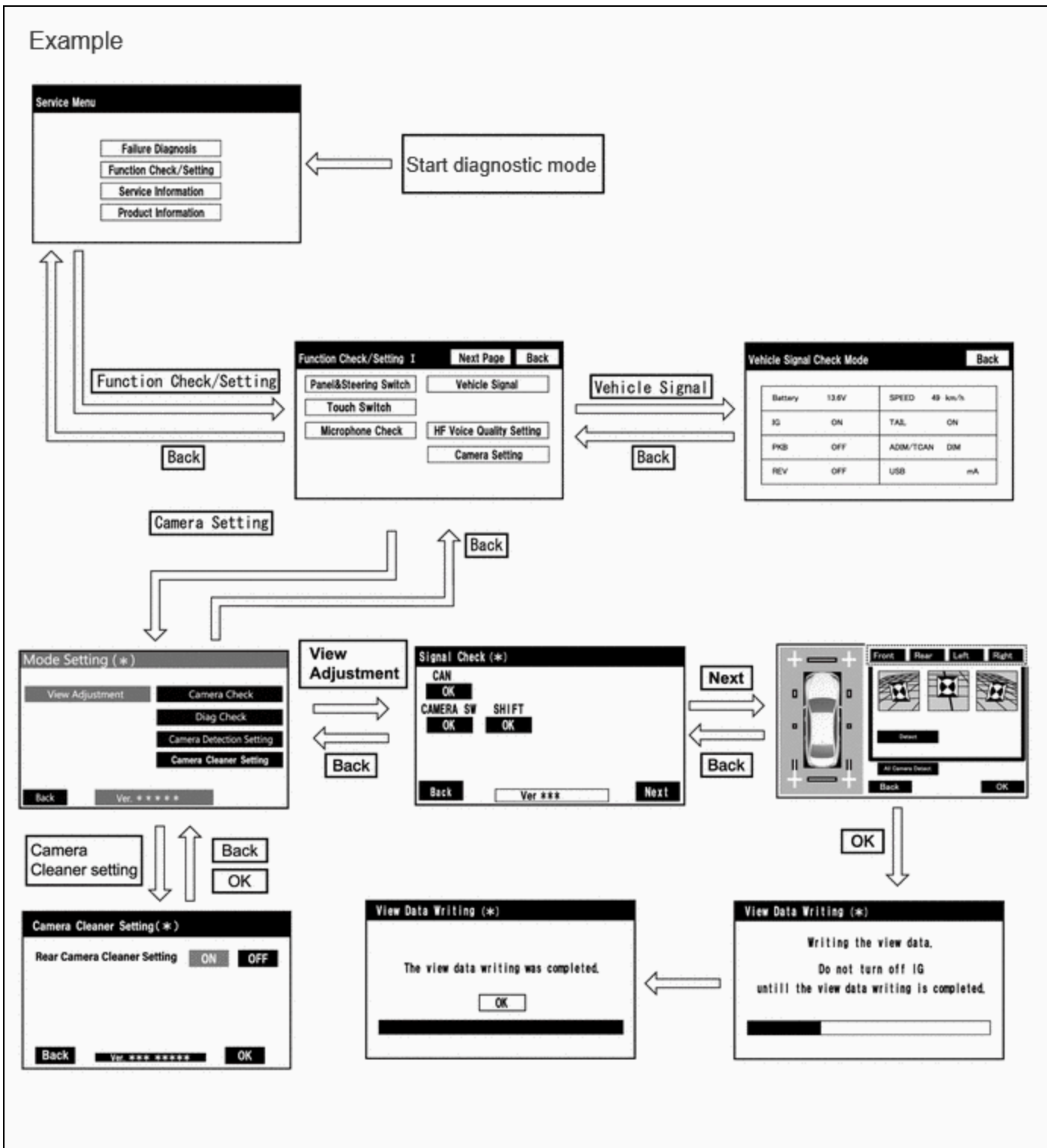
NOTICE:

Depending on the parts that are replaced or operations that are performed during vehicle inspection or maintenance, calibration of other systems as well as the panoramic view monitor system may be needed.

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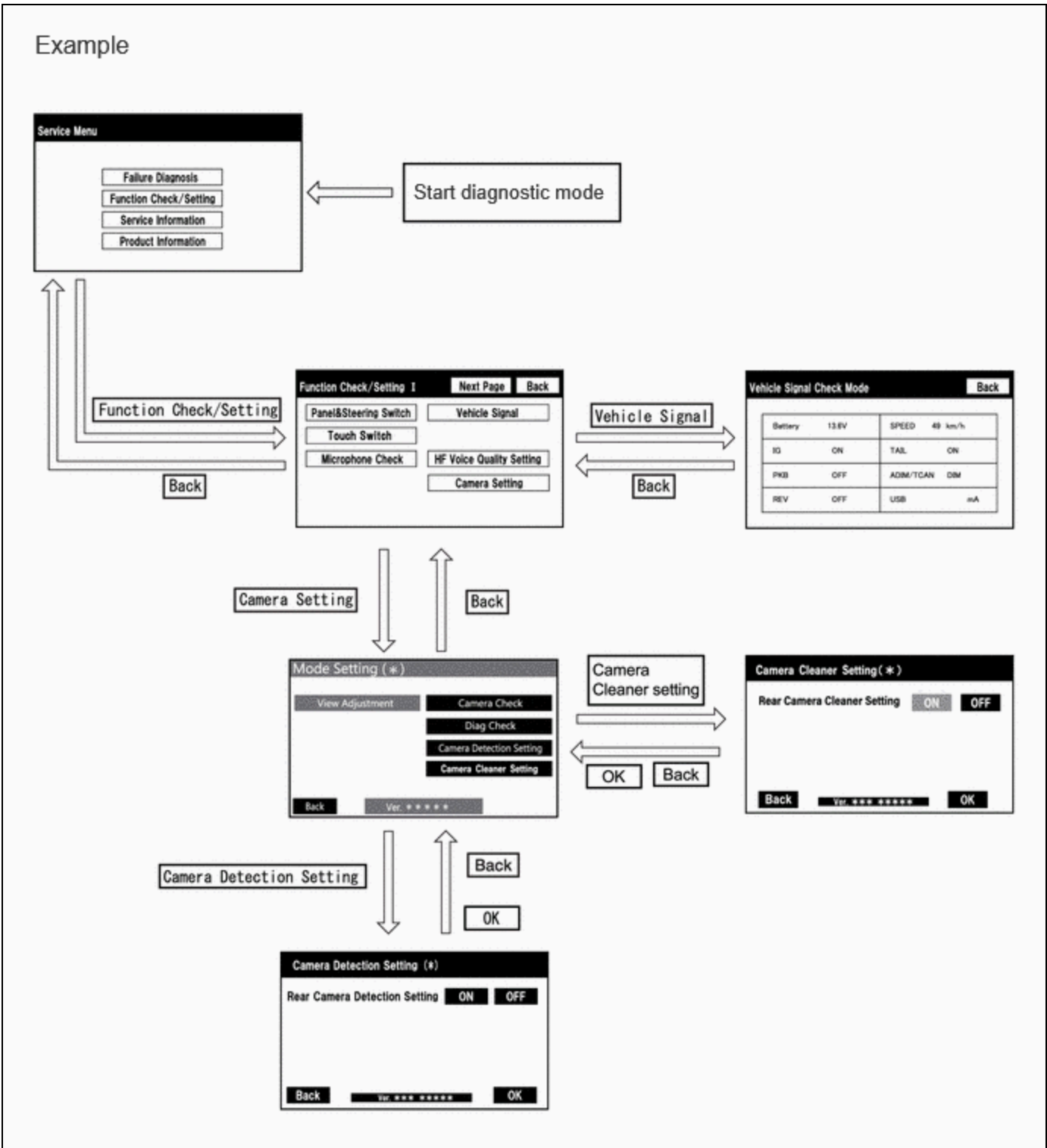**HINT:**

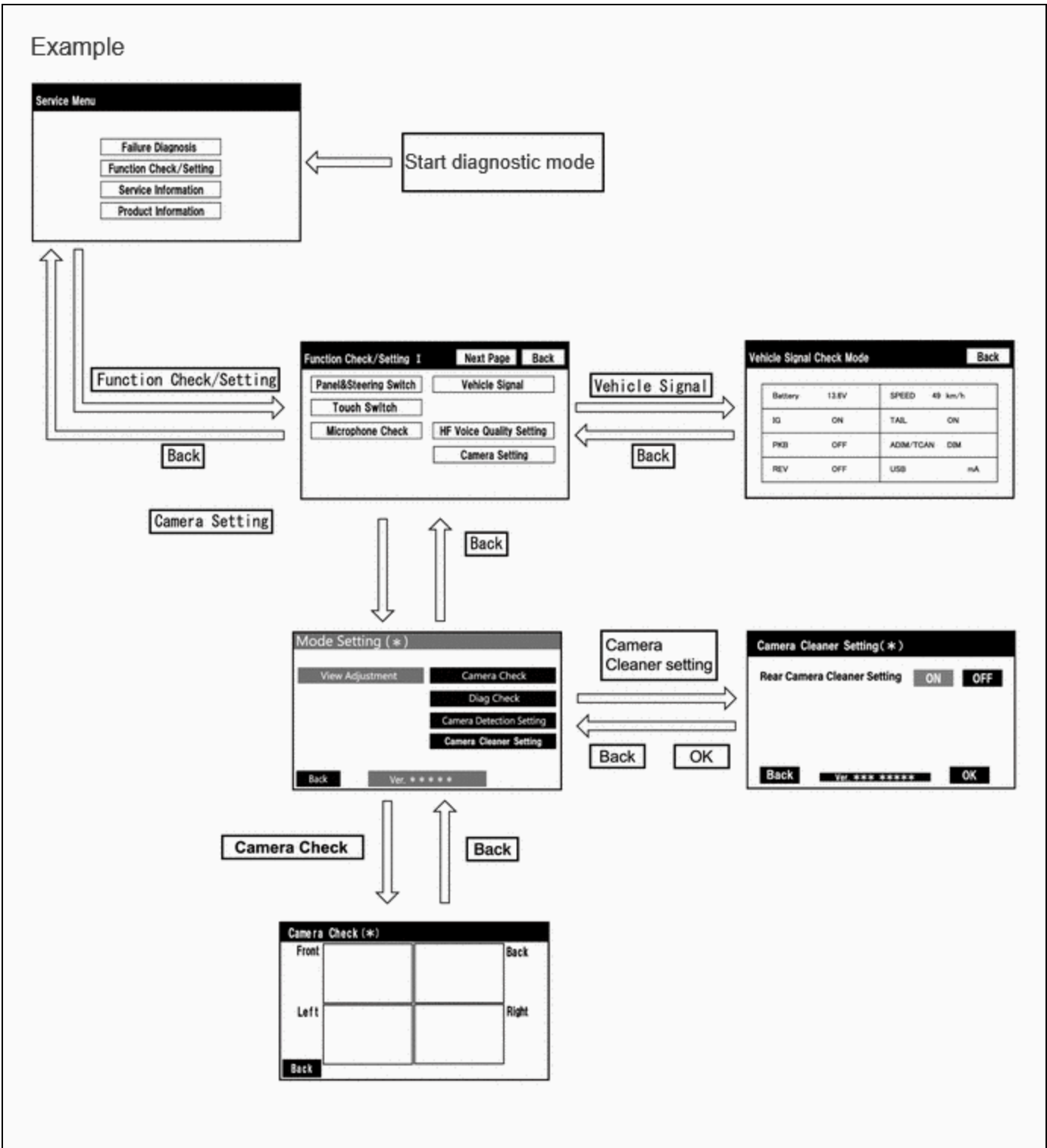The displayed screens and items may differ depending on vehicle specifications.

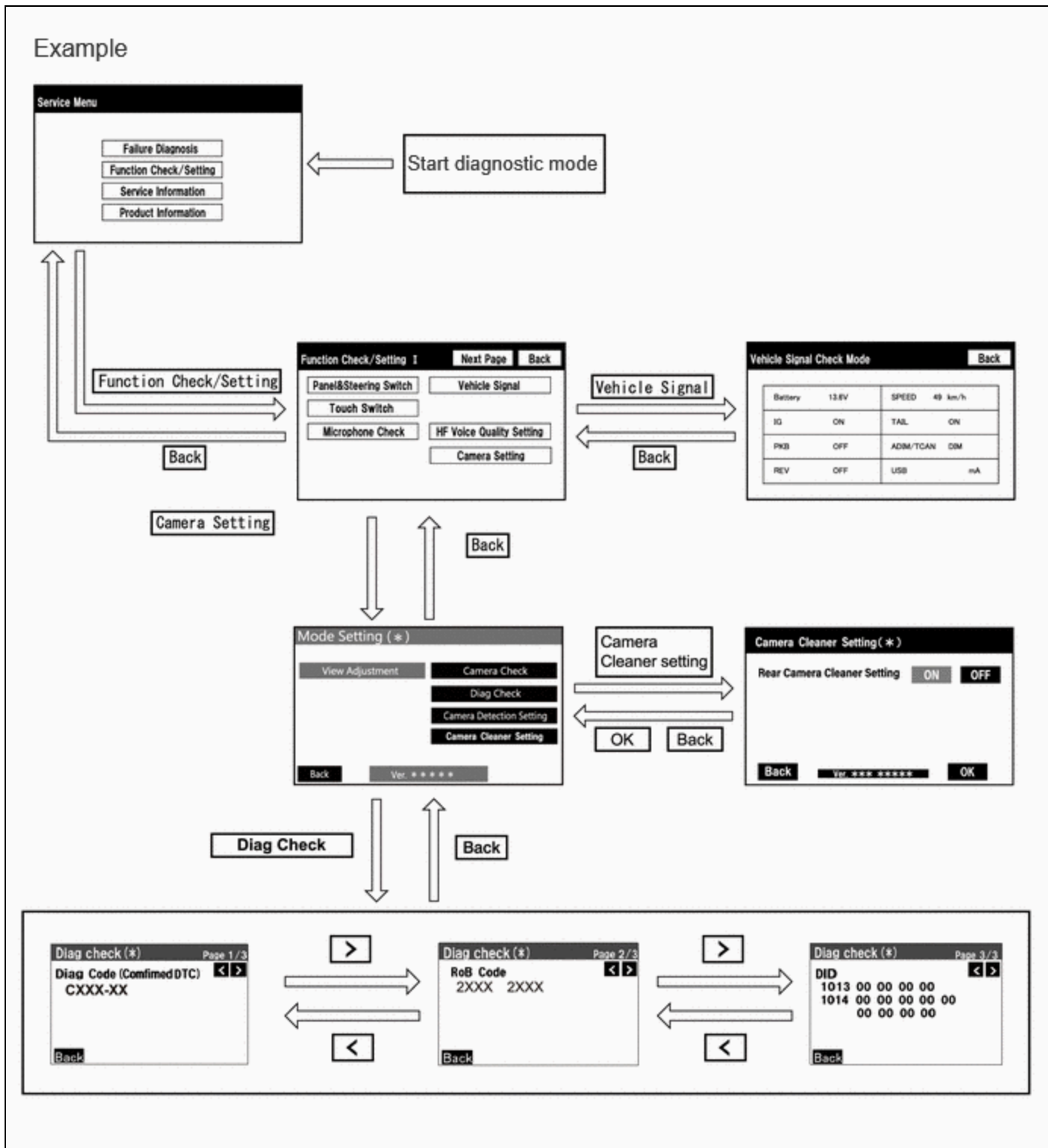## DIAGNOSIS SCREEN TRANSITION (VIEW ADJUSTMENT)

DIAGNOSIS SCREEN TRANSITION (CAMERA DETECTION SETTING)

DIAGNOSIS SCREEN TRANSITION (CAMERA CHECK)

DIAGNOSIS SCREEN TRANSITION (DIAG CHECK)

DIAGNOSTIC MODE

(a) Diagnostic mode

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(b) Failure diagnosis

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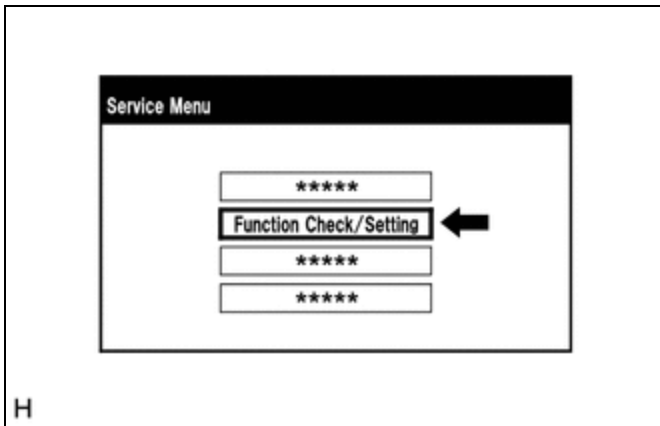(c) System check (check using system check mode screen)

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(d) Finish diagnostic mode.

Click here INFO

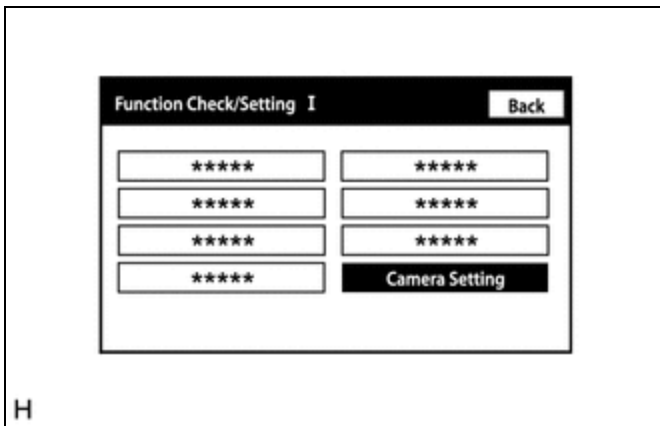## DIAG CHECK

(a) Start diagnostic mode.

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(1) Select "Function Check/Setting" on the "Service Menu" screen.

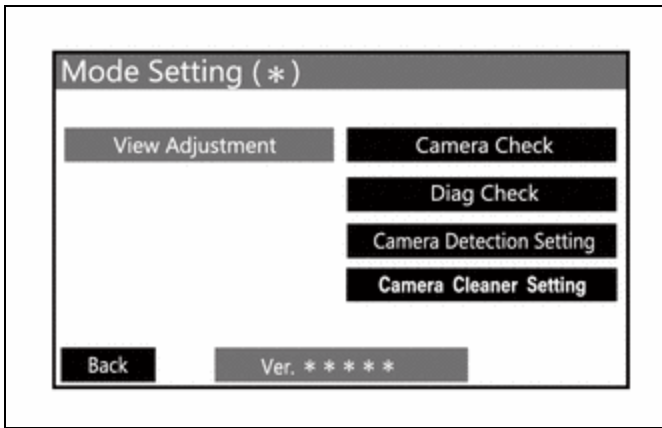(2) Select "Camera Setting" on the "Function Check/Setting I" screen.

NOTICE:

If the "Camera Setting" selection screen is not displayed, turn the ignition switch off and enter the diagnosis screen after turning the ignition switch to ON once again.

(3) Select "Diag Check" on the "Mode Setting (*)" screen to display the "Diag Check (*)" screen.
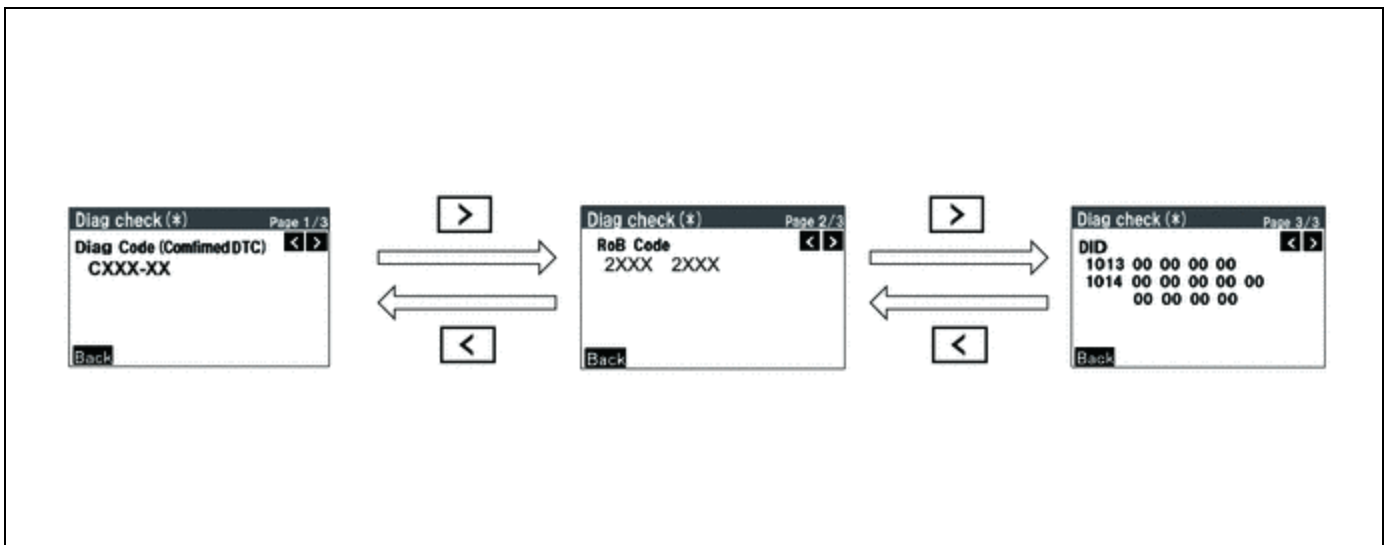
HINT:

To select a grayed out item, select and hold the item for 2 seconds or more.

(b) Check Diagnosis

(1) On the "Diag Check (*)" screen, DTCs output when the parking assist ECU detects a malfunction can be checked.

INDICATION NAME	MEASUREMENT ITEM	NOTE
Diag Code	DTC	DTCs output when the parking assist ECU detects a malfunction
RoB Code	RoB Code	RoB output when the parking assist ECU detects a malfunction
DID	DID table	Values based on information displayed on Data List

(c) Finish diagnostic mode.
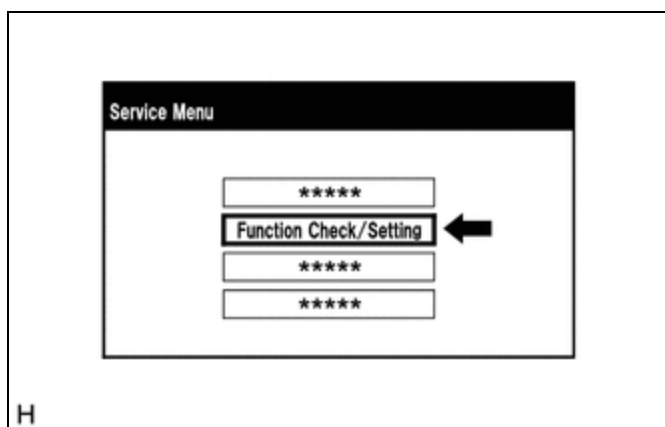
Click here INFO

SIGNAL CHECK (PARKING ASSIST ECU INPUT SIGNAL)

(a) Start diagnostic mode.
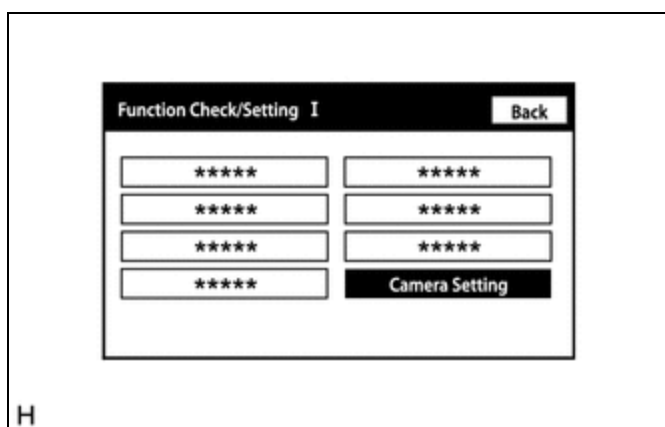
Click here INFO

(1) Select "Function Check/Setting" on the "Service Menu" screen to display the "Function Check/Setting I" screen.

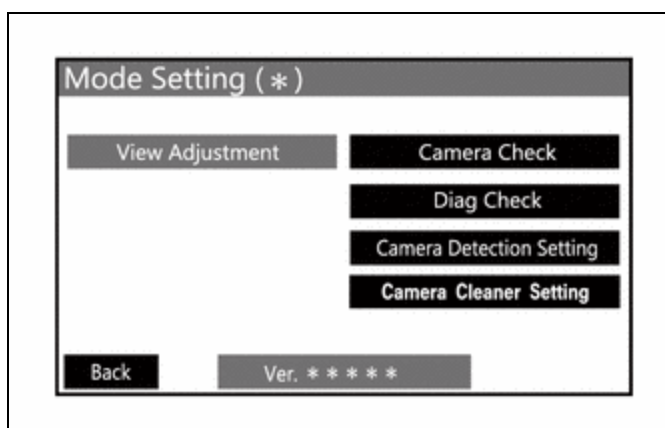(2) Select "Camera Setting" on the "Function Check/Setting I" screen.

NOTICE:

If the "Camera Setting" selection screen is not displayed, turn the ignition switch off and enter the diagnosis screen after turning the ignition switch to ON once again.

(3) When the screen changes to the "Mode Setting (*)" screen, select "View Adjustment" to display the "Signal Check (*)" screen.

HINT:

To select a grayed out item, select and hold the item for 2 seconds or more.
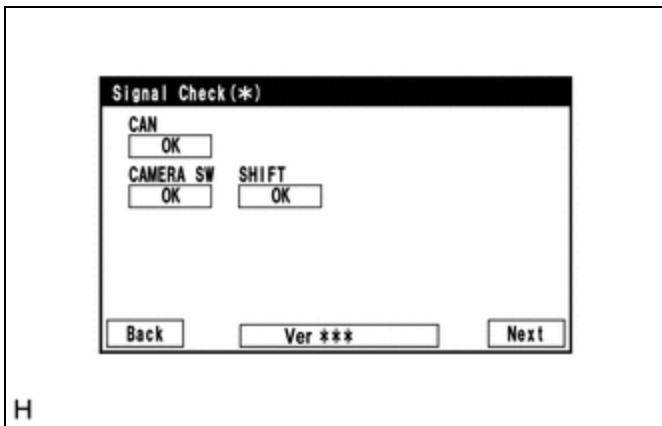

(b) Signal check

(1) On the "Signal Check (*)" screen, it is possible to inspect the state of signals sent to the parking assist ECU and check the settings.

ITEM	INSPECTION DETAIL	NOTE
CAN	Speed signal input	
CAMERA SW	Panoramic view monitor main switch(integration control & panel assembly)	When "CHK" (red) is displayed, selecting "Next" will not change to the next screen.
SHIFT	Shift R signal input	

HINT:

- When "CHK" (red) is displayed, perform inspections based on the result of the following inspections.
- If performing the adjustment after proceeding to the next screen, confirm that all items display "OK" (blue) before selecting "Next".

(c) CAN inspection

HINT:

If "CHK" (red) is displayed for "CAN", check for DTCs and perform troubleshooting based on the output DTCs.

Click here INFO

(d) CAMERA SW inspection

(1) Check that "OK" (blue) is displayed for "CAMERA SW" and select "OK".

HINT:

If "CHK" (red) remains displayed or the "CAMERA SW" inspection result is not normal, perform troubleshooting according to the Problem Symptoms Table ("CHK" message(s) are displayed on the "Signal Check" screen).

Click here INFO

(e) SHIFT inspection

(1) Check that "OK" (blue) is displayed for "SHIFT" and select "OK".

HINT:

If "CHK" (red) is displayed for "SHIFT", check for DTCs and perform troubleshooting based on the output DTCs.

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(f) Finish diagnostic mode.
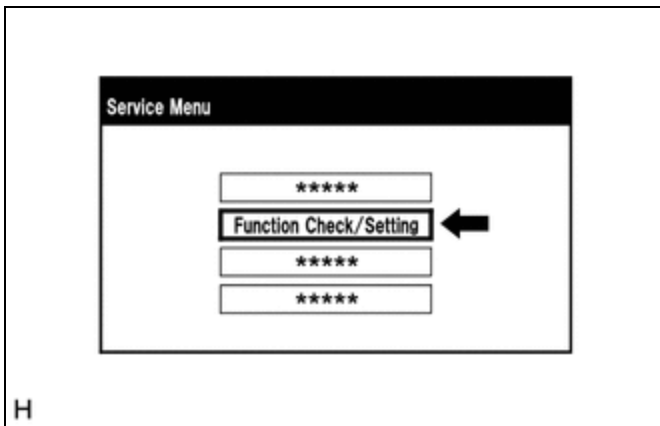
Click here INFO

HINT:

- Use this function when symptoms such as the camera images not being displayed occur.
- On the DTC screen, the 4 camera images are displayed as one image and the images input to the parking assist ECU from the cameras can be checked.
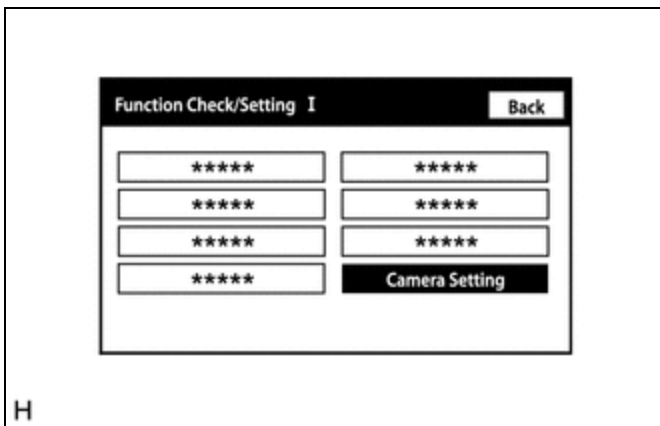
CAMERA CHECK

(a) Start diagnostic mode.

Click here INFO

(1) Select "Function Check/Setting" on the "Service Menu" screen to display the "Function Check/Setting I" screen.

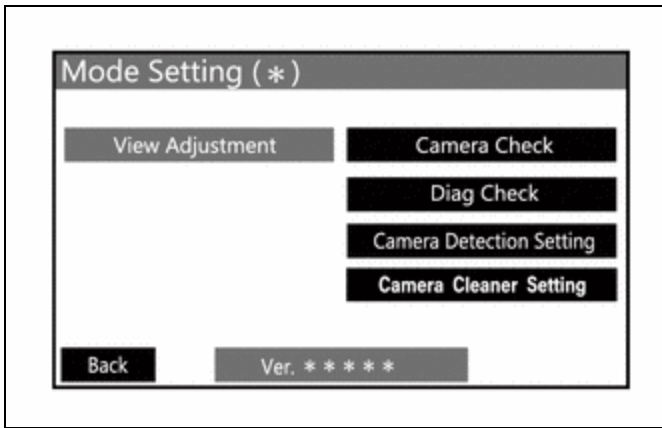(2) Select "Camera Setting" on the "Function Check/Setting I" screen.

NOTICE:

If the "Camera Setting" selection screen is not displayed, turn the ignition switch off and enter the diagnosis screen after turning the ignition switch to ON once again.

(3) When the screen changes to the "Mode Setting (*)" screen, select "Camera Check" to display the "Camera Check (*)" screen.
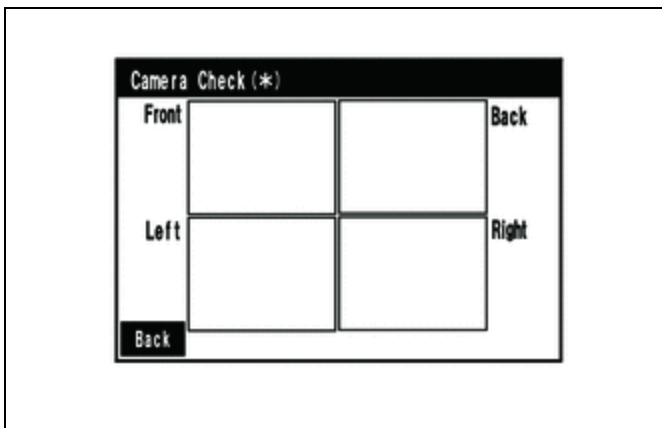
HINT:

To select a grayed out item, select and hold the item for 2 seconds or more.

(b) Check camera images

(1) On the "Camera Check (*)" screen, the images that are input to the parking assist ECU from the 4 cameras are displayed on the screen and the camera images can be checked.

INDICATION NAME	MEASUREMENT ITEM	INDICATION NAME	MEASUREMENT ITEM
Front	Front television camera assembly	Back	Rear television camera assembly
Left	Side television camera assembly LH	Right	Side television camera assembly RH

(c) Finish diagnostic mode.
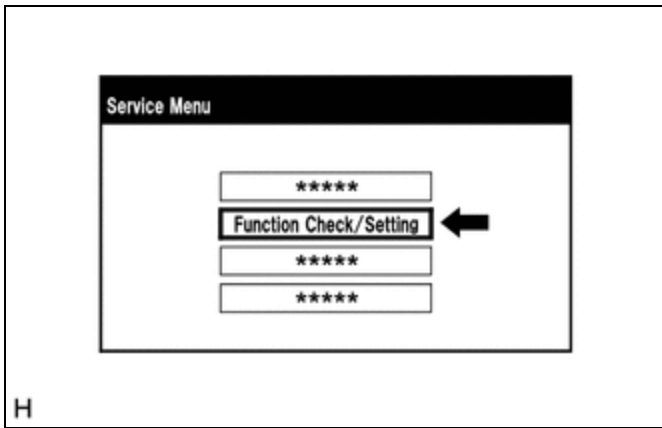
Click here INFO

CAMERA DETECTION SETTING

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.
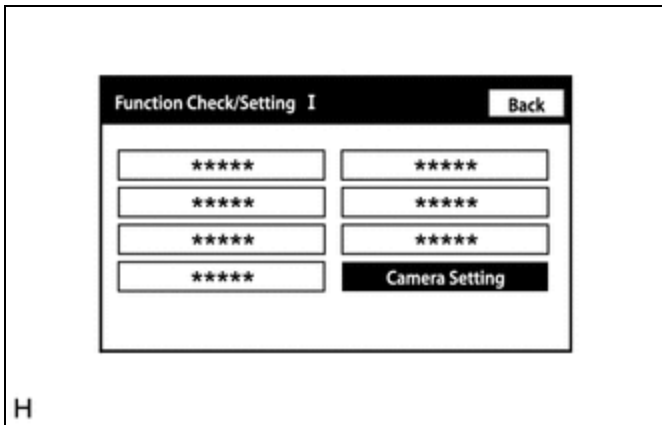
(a) Enter diagnostic mode.

Click here INFO

(1) Select "Function Check/Setting" on the "Service Menu" screen to display the "Function Check/Setting I" screen.

(2) Select "Camera Setting" on the "Function Check/Setting I" screen.

NOTICE:

If the "Camera Setting" selection screen is not displayed, turn the ignition switch off and enter the diagnosis screen after turning the ignition switch to ON once again.
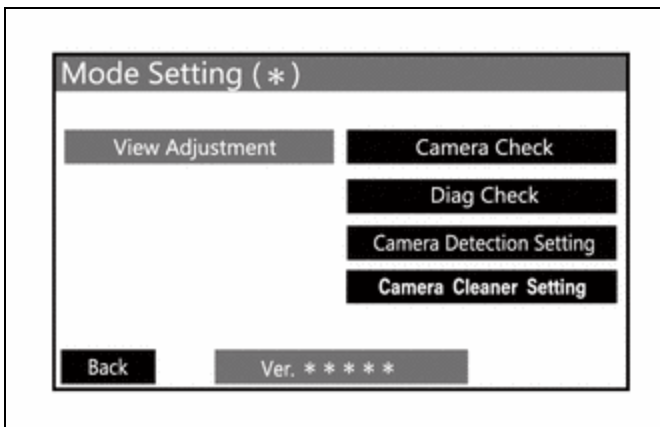
HINT:

After "Camera Setting" is selected, the screen transitions differ depending on whether initialization of the parking assist ECU was performed after parking assist ECU replacement.

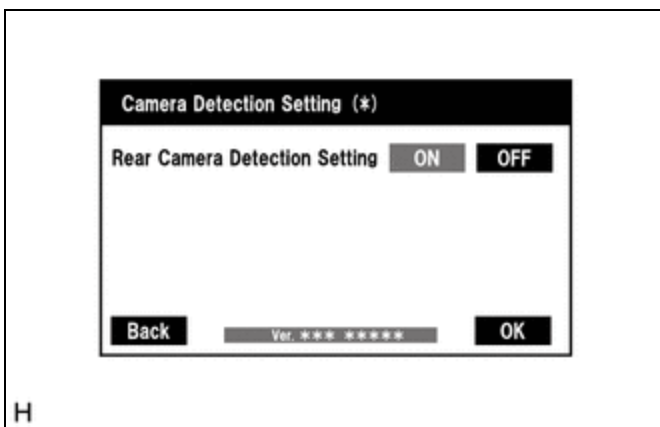| PARKING ASSIST ECU INITIALIZATION	SCREEN TRANSITION
Not performed	"Signal Check (*)" screen
Performed	"Mode Setting (*)" screen

(b) Camera Detection Setting.

(1) Select "Camera Detection Setting" on the "Mode Setting (*)" screen.

(2) Select ON or OFF on the "Camera Detection Setting (*)" screen as necessary.

HINT:

After selecting ON or OFF, return to the "Mode Setting (*)" screen by selecting "OK" or "Back".

(c) Finish diagnostic mode.

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CALIBRATION WHEN SERVICING VEHICLE

NOTICE:

Depending on the parts that are replaced or operations that are performed during vehicle inspection or maintenance, calibration of other systems as well as the panoramic view monitor system may be needed.

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