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Title: INTRODUCTION: REPAIR INSTRUCTION: CUSTOMIZE PARAMETERS (2010 4Runner)		

CUSTOMIZE PARAMETERS

1. CUSTOMIZING FUNCTION WITH THE TECHSTREAM

HINT:

The following items can be customized.

NOTICE:

- When the customer requests a change in a function, first make sure that the function can be customized.
- Be sure to make a note of the current settings before customizing.
- When troubleshooting a function, first make sure that the function is set to the default setting.

(a) POWER DOOR LOCK CONTROL SYSTEM

Door Lock

DISPLAY	DEFAULT	CONTENT	SETTING
Auto Lock	OFF	Function that locks all doors when the vehicle speed reaches a certain level.	ON or OFF
Auto Lock/Shift	ON	Function that locks all doors when the shift lever is moved from P to any position other than P while the engine is running and all doors are closed.	ON or OFF
Auto Unlock/Shift	ON	Function that unlocks all doors when the shift lever is moved to P from any position other than P while the ignition switch is on.	ON or OFF
All Unlock/Open-Close	OFF	Function that unlocks the other doors when the driver door is opened within 10 seconds after the ignition switch is turned off.	ON or OFF

(b) WIRELESS DOOR LOCK CONTROL SYSTEM (w/ Smart Key System)

Wireless Door Lock

DISPLAY (ITEM)	DEFAULT	FUNCTION	SETTING
Wireless Control	ON	Function that turns wireless door lock / on or off	ON or OFF
Hazard Answer Back	ON	When the lock switch on the transmitter is pressed, this function illuminates the hazard warning lights and side turn signal lights once. When the unlock switch is pressed, the hazard warning lights and side turn signal lights illuminate twice.	ON or OFF
Open Door Warning	ON	If a door is not completely closed and the transmitter lock switch is pressed, this function makes the buzzer sound for 10 seconds.	ON or OFF
		Function to operate theft deterrent system	

Panic Function	ON	by continuously pressing panic switch on transmitter for 0.8 seconds	ON or OFF
Auto Lock Time	60 s	Function that changes the time until relocking after unlocking the doors with the wireless door lock function.	30 s/60 s or 120 s
Wireless Auto Lock	ON	This function turns the wireless auto lock function on or off.	ON or OFF
Wireless Buzzer Resp	ON	Wireless door lock buzzer response / on or off	ON or OFF
P/W Ope buzzer	ON	Wireless power window buzzer response / on or off	ON or OFF
Wireless Buzzer Vol	Level7	Wireless door lock buzzer Volume	Level7/Level6/Level5/Level4/Level3/Level2/Level1 or Level0

(c) WIRELESS DOOR LOCK CONTROL SYSTEM (w/o Smart Key System)

Wireless Door Lock

DISPLAY (ITEM)	DEFAULT	FUNCTION	SETTING
Wireless Control	ON	Function that turns wireless door lock / on or off	ON or OFF
Hazard Answer Back	ON	When the lock switch on the transmitter is pressed, this function illuminates the hazard warning lights and side turn signal lights once. When the unlock switch is pressed, the hazard warning lights and side turn signal lights illuminate twice.	ON or OFF
Open Door Warning	ON	If a door is not completely closed and the transmitter lock switch is pressed, this function makes the buzzer sound for 10 seconds.	ON or OFF
Panic Function	ON	Function to operate theft deterrent system by continuously pressing panic switch on transmitter for 0.8 seconds	ON or OFF
Auto Lock Time	60 s	Function that changes the time until relocking after unlocking the doors with the wireless door lock function.	30 s/60 s or 120 s
Wireless Auto Lock	ON	This function turns the wireless auto lock function on or off.	ON or OFF
Wireless Buzzer Resp	ON	Wireless door lock buzzer response / on or off	ON or OFF

P/W Ope buzzer	ON	Wireless power window buzzer response / on or off	ON or OFF
Wireless Buzzer Vol	Level7	Wireless door lock buzzer Volume	Level7/Level6/Level5/Level4/Level3/Level2/Level1 or Level0

(d) SMART KEY SYSTEM (for Entry Function)

Smart Key

DISPLAY	DEFAULT	CONTENTS	SETTING
Park Wait Time (Waiting time to permit unlocking door after locking)	2.5s	Function that sets the waiting time to permit unlocking the door after the door is locked with the entry lock function.	0.5s/1.5s/2.5s or 5s
Ignition Available Area (Entry ignition available area)	All	Function to choose the available area for the key to start the engine and cancel the steering lock.	Front or All
Back Door Opening Operation (Back door open mode when vehicle is locked)	Long	Function to choose the back door open operation mode when the vehicle is locked.	Long/Twice or OFF

Warning

DISPLAY	DEFAULT	CONTENTS	SETTING
Key Low Battery Warning (Warn when key battery becomes weak)	ON	Function that warns the driver that the key battery power is low.	ON or OFF

(1) ENTRY UNLOCK MODE SWITCHING FUNCTION

1. To use the entry unlock mode switching function, make sure the engine switch is off and simultaneously press and hold the lock switch on the key and another key switch for 5 seconds.

When the switches are pressed and held for 5 seconds, the entry door unlock mode changes in the following order: all door unlock mode, driver door unlock mode.

NOTICE:

After pressing and holding the switches for 5 seconds, wait 5 seconds before performing the same procedure again.

- All door unlock mode (default):

When a touch sensor is touched, all the doors unlock.

- Driver door unlock mode:

When the driver door touch sensor is touched, only the driver door unlocks.

When another touch sensor is touched, all doors unlock.

2. The certification ECU receives this signal from the key and changes the smart key system to the appropriate entry unlock mode.
3. The certification ECU sounds the wireless door lock buzzer and combination meter buzzer to inform the user that the mode has been switched.

MODE	WIRELESS DOOR LOCK BUZZER	COMBINATION METER ASSEMBLY (BUZZER)
All Doors	Sounds 2 times	Sounds once

(Default)		
Driver Door (Customized)	Sounds 3 times	Sounds once

HINT:

The function only changes the entry unlock mode of the smart key system. It does not switch the unlocking of the wireless door lock control.

(2) KEY CANCEL

The key cancel operation disables the following functions:

- Entry Unlock/Lock
- Key Lock-in Prevention
- Entry Back Door Open
- Warning
- Entry Ignition

a. The operation procedures are as follows:

Precondition:

Engine switch off, driver side door closed and unlocked.

- Unlock the driver side door once with the unlock switch of the key.
 - Open the driver door within 5 seconds.
 - Unlock the driver side door twice with the unlock switch of the key within 5 seconds.
 - Close and open the driver door twice within 30 seconds.
- ((Driver door: Open condition → Close → Open → Close → Open))
- Unlock the driver side door twice with the unlock switch of the key within 5 seconds.
 - Close and open the driver door once within 30 seconds.
- ((Driver door: Open condition → Close → Open))
- Close the driver door within 5 seconds.

When key cancel is activated, the wireless door lock buzzer sounds twice.

To return to the original condition, perform the procedure again.

When the original condition is restored, the wireless door lock buzzer sounds once.

(e) LIGHTING SYSTEM (for Interior)**Illuminated Entry**

DISPLAY	DEFAULT	CONTENT	SETTING
Lighting Time	15s	Changes the lighting time after closing all of the doors. (It will fade out immediately in case of turning the ignition switch from off to ACC or ON.	7.5s/15s or 30s
I/L when ACC OFF	ON	A function that turns on the lights when the ignition switch is turned from ON or ACC to off (the room light turns on when the interior light switch is set to DOOR).	ON or OFF
I/L ON		A function that turns on the room light when the door is unlocked with the	

W/Door Key Unlock*2	ON	door key cylinder (the room light turns on when the map light switch is set to DOOR).	ON or OFF
Room Light when Aprchd*1	ON	A function that turns on the room light when the key is brought within the vehicle exterior detection area (the room light turns on when the map light switch is set to DOOR).	ON or OFF
Inside Foot Light*3	ON	Changes the interior foot lights control.	ON or OFF
Center Console Spot Light	ON	Lights up the center console spot light when ignition switch is turned ACC or ON.	ON or OFF
Mirr-Foot-Lgt Approached*4	ON	Door mirror foot light (when approaching vehicle)	ON or OFF
Mirr-Foot-Lgt Unlocked*4	ON	Door mirror foot light (when unlocking doors)	ON or OFF
Mirror Foot Light Time*4	15s	Door mirror foot light illumination duration	0s/7.5s/15s or 30s
Light Control*5	ON	Change the inside handle illumination control.	ON or OFF
Interior Light Control	ON	Change the engine switch illumination*1 or ignition key cylinder light*2 control.	ON or OFF
Exterior Light Control*4	ON	Change the door mirror foot light control.	ON or OFF

- *1: w/ Smart Key System
- *2: w/o Smart Key System
- *3: w/ Interior Foot Light
- *4: w/ Door Mirror Foot Light
- *5: w/ Inside Handle Illumination

(f) METER / GAUGE SYSTEM

Warning

TESTER DISPLAY	DEFAULT	CONTENT	SETTING
Driver Side Seatbelt Warning Buzzer*1	ON	Function to turn on/off the seat belt warning buzzer	ON or OFF
Front Passenger Side Seatbelt Warning Buzzer*1	ON	Function to turn on/off the seat belt warning buzzer	ON or OFF

- *1: This setting is only valid for the buzzer which sounds at 20 km/h (12 mph) or more.

Display

TESTER DISPLAY	DEFAULT	CONTENT	SETTING
Units By Region	MI/g	Function to change the unit of the display	km/l, MI or g
Language	English	Function to change language of display	English/French
ECO Driving		Function to turn on or off the ECO driving indicator zone display in the	

Indicator	ON	multi-information display	ON or OFF
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(g) SEAT BELT WARNING SYSTEM

Seat Belt Warning

DISPLAY	DEFAULT	CONTENTS	SETTING
Driver Side Seatbelt Warning Buzzer	ON	If the driver side seat belt is unfastened and the vehicle is driven at approximately 20 km/h (12.5 mph) or more, the system sounds the seat belt warning buzzer.	ON or OFF
Front Passenger Side Seatbelt Warning Buzzer	ON	If the front passenger side seat belt is unfastened with the front passenger seat occupied and the vehicle is driven at approximately 20 km/h (12.5 mph) or more, the system sounds the seat belt warning buzzer.	ON or OFF

(h) AIR CONDITIONING SYSTEM (for Automatic Air Conditioning System)

Air Conditioner

DISPLAY	DEFAULT	CONTENTS	SETTING
Set Temperature Shift	Normal	Function to set the temperature shift.	+2 C/+1 C/Normal/-1 C or -2 C
Compressor Mode	Automatic	Function to turn the A/C on automatically by pressing the AUTO button when the blower is on and the A/C is off.	Automatic or Manual
Air Inlet Mode	Automatic	Function to automatically change to recirculation mode when the A/C is turned on.	Automatic or Manual
Foot/DEF Auto Mode	ON	Function to turn on the airflow from the front and rear footwell register ducts and front defroster automatically when auto mode is on.	ON or OFF
Foot/DEF Automatic Blow Up Function	ON	Function to change the blower level automatically when the front defroster is on.	ON or OFF
Add Foot Air in FACE Mode	ON	When the FACE mode is selected, an additional amount of air is blown to the foot area.	ON or OFF

(i) POWER WINDOW CONTROL SYSTEM

Power Window

TESTER DISPLAY	DEFAULT	CONTENT	SETTING
Door Key P/W Up	OFF	This function is used to close the windows by operating the mechanical key.	ON or OFF
Door Key P/W Down	OFF	This function is used to open the windows by operating the mechanical key.	ON or OFF
P/W Up W/ Transmitter	OFF	This function is used to close the windows using the wireless key transmitter.	ON or OFF
P/W Down W/ Transmitter	OFF	This function is used to open the windows using the wireless key transmitter..	ON/OFF

P Window Auto Up	Avail	This function is used to enable or disable the auto up function for the front passenger door window using the power window regulator switch assembly (for front passenger side).	Avail or Not Avl
P Window Auto Up From Driver	Avail	This function is used to enable or disable the remote auto up function for the front passenger door window using the master switch.	Avail or Not Avl
RR Window Auto Up	Avail	This function is used to enable or disable the auto up function using the rear power window regulator switch assembly RH.	Avail or Not Avl
RR Window Auto Up From Driver	Avail	This function is used to enable or disable the remote auto up function for the rear RH door window using the master switch.	Avail or Not Avl
RL Window Auto Up	Avail	This function is used to enable or disable the auto up function using the rear power window regulator switch assembly LH.	Avail or Not Avl
RL Window Auto Up From Driver	Avail	This function is used to enable or disable the remote auto up function for the rear LH door window using the master switch.	Avail or Not Avl
Door Key Linked Back P/W UP	AVAIL	This function is used to close the back door windows by operating the mechanical key.	NOT AVL or AVAIL
Door Key Linked Back P/W DOWN	AVAIL	This function is used to open the back door windows by operating the mechanical key.	NOT AVL or AVAIL

PSD & PBD operation (w/ Smart Key System)

TESTER DISPLAY	DEFAULT	CONTENT	SETTING
Smart Back Door P/W Up SW	AVAIL	This function is used to permit or disable back door power window up operation via the luggage electrical key switch.	NOT AVL or AVAIL
Smart Back Door P/W Down	AVAIL	This function is used to permit or disable back door power window down operation via the luggage electrical key switch.	NOT AVL or AVAIL
Smart Back Door P/W Press ON	0.8 sec.	This function is used to change the time that the luggage electrical key switch must be pressed to operate the back door power window.	0.8 sec./1 sec./1.2 sec. or 1.4 sec.
Back Door P/W UP when half-shut	NOT AVL	This function is used to permit or disable back door power window up operation when the back door is ajar.	NOT AVL or AVAIL

(j) SLIDING ROOF SYSTEM**Slide Roof**

DISPLAY	DEFAULT	CONTENTS	SETTING
Door Key Related Open*1	ON	The function to manually open the sliding roof linked with the power windows by holding the driver side door key for 1.5 seconds or more to the unlock position when the ignition switch is off.	ON or OFF
Door Key Related Close*1	ON	The function to manually close the sliding roof linked with the power windows by holding the driver side door key for 1.5 seconds or more to the lock position when the ignition switch is off.	ON or OFF

Wireless Key Related Open*2	ON	The function to manually open the sliding roof linked with the power windows by pressing the transmitter UNLOCK switch for 1.5 seconds or more when the ignition switch is off.	ON or OFF
Door Key Related Operation	Slide	The function to select tilt up or slide open of the manual sliding roof operation linked with the power windows by holding the driver side door key for 1.5 seconds or more to the unlock position when the ignition switch is off.	Slide or Tilt
Wireless Key Related Operation	Slide	The function to select tilt up or slide open of the manual sliding roof operation linked with the power windows by pressing on the transmitter UNLOCK switch for 1.5 seconds or more when the ignition switch is off.	Slide or Tilt

HINT:

- 1: This function is linked with the power window key-linked function. If the power window key-linked function is set to OFF, the sliding roof key-linked function will not operate even when it is set to ON.
- *2: This function is linked with the power window wireless transmitter-linked function. If the power window wireless transmitter-linked function is set to OFF, the sliding roof wireless transmitter-linked function will not operate even when it is set to ON.

(k) WIPER AND WASHER SYSTEM

Wiper

DISPLAY	DEFAULT	CONTENT	SETTING
Linked Rear Wiper Washer	AVAIL	Function to make the rear wiper run automatically after the washer function is used.	NOT AVAIL or AVAIL
Rewipe Function	AVAIL	Function to make the rear wiper run once automatically a certain amount of time after the washer function is completed, to prevent the dripping of washing fluid.	NOT AVAIL or AVAIL
Rear Wiper Interval Speed	3 sec.	Function used to change the time from when the rear wiper stops moving until it starts moving again in intermittent mode.	3 sec./2 sec./4 sec. or 5 sec.
Rear Wiper Retract Time	3 sec.	Function used to change the time from when the rear wiper stops moving after the rear wiper switch is turned off until the rear wiper is stored in the spoiler.	3 sec./4 sec./5 sec. or 6 sec.

(l) LIGHTING SYSTEM (for Exterior)

Light Control

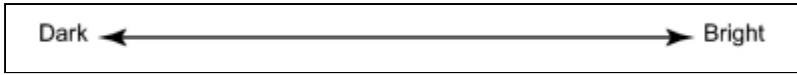
DISPLAY	DEFAULT	CONTENT	SETTING
Disp Ex OFF Sen	NORMAL	Changes brightness when lowering lights such as the combination meter indicator light, A/C indicator light, and clock light.*1	LIGHT2/LIGHT1/NORMAL/DARK1 or DARK2
Disp Ex ON Sen	NORMAL	canceling lowering lights such as the combination meter indicator light, A/C indicator light, and clock light.*2	LIGHT2/LIGHT1/NORMAL/DARK1 or DARK2
Light Auto OFF Delay	30s	Function to continue illuminating the headlights for a certain period of time after closing all the doors with the ignition switch turned from ON to off under the condition that the headlight dimmer switch is at head or AUTO with the headlight on.	OFF/30s/60s or 90s

Sensitivity	Normal	A function to adjust the ambient light sensitivity of the automatic light control system.*3	Light2/Light1/Normal/Dark1 or Dark2
DRL Function	ON	A function that enables or disables the DRL.	ON or OFF

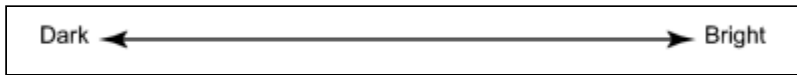
HINT:

The sensitivity adjustment may be difficult to confirm. Check by driving the customer's vehicle.

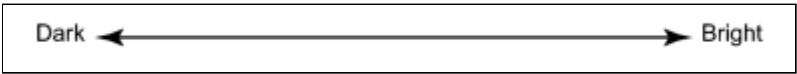
***1**

Brightness of lowering the lights					
Setting	DARK2	DARK1	NORMAL	LIGHT1	LIGHT2

***2**

Brightness when canceling the lowering of the lights					
Setting	DARK2	DARK1	NORMAL	LIGHT1	LIGHT2

***3**

Lighting brightness					
Setting	Dark2	Dark1	Normal	Light1	Light2

