Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM10000000290AH
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: THEFT DETERRENT / KEYLESS ENTRY: SMART KEY SYSTEM (for Start Function): REGISTRATION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

REGISTRATION

PROCEDURE

1. REPAIR INSTRUCTION

CAUTION:

As weak radio waves are emitted from the electrical key transmitter sub-assembly, if a pacemaker is being used, be sure to read the pacemaker instruction manual and the following.

- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should keep away from the smart key system antennas. The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.

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- User of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.
- Ask your dealer for details for disabling the entry function.

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NOTICE:

PRECAUTION WHEN REPLACING PARTS

- Code registration is necessary when any of the following parts is replaced with a new one. After replacing a part, any part that has performed registration cannot be returned.

    - Certification ECU (smart key ECU assembly)
    - ID code box (immobiliser code ECU)
    - Electrical key transmitter sub-assembly
    - Main body ECU (multiplex network body ECU)
    - Hybrid vehicle control ECU
    - DCM (telematics transceiver)*1
    - Digital key ECU assembly*2
    - BLE door digital key receiver assembly*2
    - BLE luggage digital key receiver assembly*2
    - BLE indoor digital key receiver assembly*2
            *1: for Remote Connect Compatible Type
            *2: w/ Digital Key System

- Make sure to make a note of the ACC customize setting before replacing the certification ECU (smart key ECU assembly) as ACC customize defaults to ON after replacing the certification ECU (smart key ECU assembly). Then make sure to return the setting to the noted value after replacement.

    PRECAUTION FOR REGISTRATION

Electrical Key Transmitter Sub-assembly:

- Make sure that only 1 electrical key transmitter sub-assembly is in the cabin during registration procedures. If 2 or more electrical key transmitter sub-assemblies are in the cabin simultaneously, the electric waves will interfere with each other, preventing normal registration.
- Type A: A maximum of 7 electrical key transmitter sub-assemblies can be registered (this includes any electrical key transmitter sub-assemblies registered when the vehicle was purchased).

- Type B: A maximum of 4 electrical key transmitter sub-assemblies can be registered (this includes any electrical key transmitter sub-assemblies registered when the vehicle was purchased).
- If the auxiliary battery is depleted during the electrical key transmitter sub-assembly registration procedure, there may be cases in which the electrical key transmitter sub-assembly cannot be registered again. Therefore, make sure to perform work with a sufficiently charged auxiliary battery.

Electrical Key Transmitter Sub-assembly and Digital Key (w/ Digital Key System):

- If any of the work times are exceeded, finish the procedure.
- Do not disconnect the auxiliary battery during the Registration.
- Do not perform operations that create an electrical load such as operating the power windows.
- If Smart Key System is canceled, registration cannot be performed.

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Digital Key (w/ Digital Key System):

- If the digital key system is canceled, registration cannot be performed.

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2. EXPLANATION OF IMMOBILISER KEY ID REGISTRATION PROCEDURE

(a) Addressing customer requests (perform work in chart below in order starting from left)

NOTICE:

If All keys ID erasure (Smart code reset) is performed, the code between the certification ECU (smart key ECU assembly) and the digital key ECU assembly is cleared and the digital key system will not function.

CUSTOMER REQUEST/CONDITION	UNDESIGNATED KEY PERMANENT ERASURE	ALL KEYS ID ERASURE (SMART CODE RESET)	NEW KEY ID REGISTRATION	ADDITIONAL KEY ID REGISTRATION	DIGITAL KEY (OWNER KEY) REGISTRATION*1
Refer to PROCEDURE	"5"	"6"	"3"	"4"	*2
All electrical key transmitter sub-assemblies are lost	-	●	●	-	●
Registering additional electrical key transmitter sub-assembly	-	-	-	●	-
Making a lost electrical key transmitter sub-assembly unusable	●	-	-	-	-

*1: w/ Digital Key System
*2: Refer to the digital key application procedure then perform the registration procedure.

(b) Addressing customer requests (perform work in chart below in order starting from left) (w/ Digital Key System)

CUSTOMER REQUEST	CONDITION	ALL DIGITAL KEYS CLEARANCE	DIGITAL KEY (OWNER KEY) REGISTRATION	ALL DIGITAL KEYS (SHARE KEY) CLEARANCE
	REFER TO PROCEDURE	"12"	*	"13"
Registering digital key (owner key)	Digital key registered	-	●	-
	Digital key not registered	-	●	-
Digital key (owner key) lost		●	●	-
Clear all digital keys (share key)		-	-	●

*: Refer to the digital key application procedure then perform the registration procedure.

(c) Addressing malfunctions 1 (perform work in chart below in order starting from left)

Certification ECU (smart key ECU assembly) malfunction

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	UNDESIGNATED KEY PERMANENT ERASURE	REPLACE CERTIFICATION ECU (SMART KEY ECU ASSEMBLY)	REPLACE ID CODE BOX (IMMOBILISER CODE ECU)	REPLACE DIGITAL KEY ECU ASSEMBLY*1	-
Refer to PROCEDURE	"5"	**HINT:** INFO	**HINT:** INFO	**HINT:** INFO	-
All electrical key transmitter sub-assemblies	-	●	-	-	Continue to the table below
At least 1 electrical key transmitter sub-assembly (Key ID codes can be registered and cleared)	●	●	-	-	Continue to the table below
At least 1 electrical key transmitter sub-assembly (Key ID codes cannot be either registered or cleared)	-	●	●	●	Continue to the table below

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	UNDESIGNATED KEY PERMANENT ERASURE	REPLACE CERTIFICATION ECU (SMART KEY ECU ASSEMBLY)	REPLACE ID CODE BOX (IMMOBILISER CODE ECU)	REPLACE DIGITAL KEY ECU ASSEMBLY*1	-
All electrical key transmitter sub-assemblies are lost	-	●	●	●	Continue to the table below

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	NEW KEY ID REGISTRATION	ECU COMMUNICATION ID REGISTRATION	REMOTE ENGINE START AND STOP REGISTRATION*2	VIN / DIGITAL KEY ECU SERIAL NUMBER REGISTRATION*1	DIGITAL KEY (OWNER KEY) REGISTRATION USING THE DIGITAL KEY APPLICATION*1
Refer to PROCEDURE	"3"	"8"	"10"	"11"	*3
All electrical key transmitter sub-assemblies	●	-	●	-	-
At least 1 electrical key transmitter sub-assembly (Key ID codes can be registered and cleared)	●	-	●	-	-
At least 1 electrical key transmitter sub-assembly (Key ID codes cannot be either registered or cleared)	●	●	●	●	●
All electrical key transmitter sub-assemblies are lost	●	●	●	●	●

*1: w/ Digital Key System

*2: for Remote Connect Compatible Type

*3: Refer to the digital key application procedure then perform the registration procedure.

(d) Addressing malfunctions 2 (perform work in chart below in order starting from left)

ID code box (immobiliser code ECU) malfunction

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	REPLACE CERTIFICATION ECU (SMART KEY ECU ASSEMBLY)	REPLACE ID CODE BOX (IMMOBILISER CODE ECU)	REPLACE DIGITAL KEY ECU ASSEMBLY*1	NEW KEY ID REGISTRATION	-
Refer to PROCEDURE	**HINT:** INFO	**HINT:** INFO	**HINT:** INFO	"3"	-
At least 1 electrical key transmitter sub-assembly	-	●	-	-	Continue to the table below
All electrical key transmitter sub-assemblies are lost	●	●	●	●	Continue to the table below

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	ECU CODE REGISTRATION	ECU COMMUNICATION ID REGISTRATION	REMOTE ENGINE START AND STOP REGISTRATION*2	VIN / DIGITAL KEY ECU SERIAL NUMBER REGISTRATION*1	DIGITAL KEY (OWNER KEY) REGISTRATION USING THE DIGITAL KEY APPLICATION*1
Refer to PROCEDURE	"7"	"8"	"10"	"11"	*3
At least 1 electrical key transmitter sub-assembly	●	●	-	-	-
All electrical key transmitter sub-assemblies are lost	-	●	●	●	●

*1: w/ Digital Key System

*2: for Remote Connect Compatible Type

*3: Refer to the digital key application procedure then perform the registration procedure.

(e) Addressing malfunctions 3 (perform work in chart below in order starting from left)

NOTICE:

If All keys ID erasure (Smart code reset) is performed, the code between the certification ECU (smart key ECU assembly) and the digital key ECU assembly is cleared and the digital key system will not function.

Electrical key transmitter sub-assemblies malfunction

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	UNDESIGNATED KEY PERMANENT ERASURE	ALL KEYS ID ERASURE (SMART CODE RESET)	NEW KEY ID REGISTRATION	ADDITIONAL KEY ID REGISTRATION	DIGITAL KEY (OWNER KEY) REGISTRATION*1
Refer to PROCEDURE	"5"	"6"	"3"	"4"	*2
One or more electrical key transmitter sub-assembly that operates normally	●	-	-	●	-
All electrical key transmitter sub-assembly lost or any electrical key transmitter sub-assembly does not operate normally	-	●	●	-	●

*1: w/ Digital Key System

*2: Refer to the digital key application procedure then perform the registration procedure.

(f) Addressing malfunctions 4 (perform work in chart below in order starting from left) (w/ Digital Key System)

Digital key ECU assembly malfunction

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	ALL DIGITAL KEYS CLEARANCE USING THE DIGITAL KEY OR MULTI-DISPLAY	REPLACE CERTIFICATION ECU (SMART KEY ECU ASSEMBLY)	REPLACE ID CODE BOX (IMMOBILISER CODE ECU)	REPLACE DIGITAL KEY ECU ASSEMBLY	-
Refer to PROCEDURE	**HINT:** INFO	**HINT:** INFO	**HINT:** INFO	**HINT:** INFO	-
At least 1 electrical key transmitter sub-assembly	●	-	-	●	Continue to the table below
All electrical key transmitter sub-assemblies are lost	-	●	●	●	Continue to the table below

CONDITION (THE NUMBER OF THE ELECTRICAL KEY TRANSMITTER SUB-ASSEMBLIES CUSTOMER HAS BROUGHT)	NEW KEY ID REGISTRATION	ECU CODE REGISTRATION	ECU COMMUNICATION ID REGISTRATION	REMOTE ENGINE START AND STOP REGISTRATION*1	VIN / DIGITAL KEY ECU SERIAL NUMBER REGISTRATION	DIGITAL KEY (OWNER KEY) REGISTRATION
Refer to PROCEDURE	"3"	"7"	"8"	"10"	"11"	*2
At least 1 electrical key transmitter sub-assembly	-	●	-	-	●	●
All electrical key transmitter sub-assemblies are lost	●	-	●	●	●	●

*1: for Remote Connect Compatible Type
*2: Refer to the digital key application procedure then perform the registration procedure.

(g) Addressing malfunctions 5 (perform work in chart below in order starting from left)

MALFUNCTIONING ECU	CONDITION	REPLACE HYBRID VEHICLE CONTROL ECU	REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)	REPLACE DCM (TELEMATICS TRANSCEIVER)*1	REPLACE BLE DIGITAL KEY RECEIVER*2	-
Refer to PROCEDURE		**HINT:** INFO	**HINT:** INFO	**HINT:** INFO	**HINT:** INFO *3 INFO *4 INFO *5	-
Hybrid vehicle control ECU	When replacing a new one*6	●	-	-	-	Continue to the table below
Main body ECU (multiplex network body ECU)	When replacing a new one*6	-	●	-	-	Continue to the table below

MALFUNCTIONING ECU	CONDITION	REPLACE HYBRID VEHICLE CONTROL ECU	REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)	REPLACE DCM (TELEMATICS TRANSCEIVER)*1	REPLACE BLE DIGITAL KEY RECEIVER*2	-
DCM (telematics transceiver)*1	When replacing a new one*6	-	-	●	-	Continue to the table below
BLE digital key receiver assembly*2	When replacing a new one	-	-	-	●	Continue to the table below
	When replacing a used one	-	-	-	●	Continue to the table below

MALFUNCTIONING ECU	CONDITION	ECU CODE REGISTRATION	REMOTE DOOR LOCK AND UNLOCK REGISTRATION*1	REMOTE ENGINE START AND STOP REGISTRATION*1
Refer to PROCEDURE		"7"	"9"	"10"
Hybrid vehicle control ECU	When replacing a new one*6	-	-	-
Main body ECU (multiplex network body ECU)	When replacing a new one*6	●	●	-
DCM (telematics transceiver)*1	When replacing a new one*6	-	●	●
BLE digital key receiver assembly*2	When replacing a new one	●	-	-
	When replacing a used one	●	-	-

*1: for Remote Connect Compatible Type

*2: w/ Digital Key System

*3: for BLE door digital key receiver assembly

*4: for BLE luggage key receiver assembly

*5: for BLE indoor digital key receiver assembly

*6: Do not use this part that has been registered to another vehicle.

3. NEW KEY ID REGISTRATION

NOTICE:

- When the certification ECU (smart key ECU assembly) is replaced, register all electrical key transmitter sub-assemblies used by the customer.
- Registered electrical key transmitter sub-assemblies other than those registered during the certification ECU (smart key ECU assembly) replacement cannot be re-registered, and therefore they can no longer be used.
- Immediately after replacing the certification ECU (smart key ECU assembly), the GTS item "Number of Registered Codes" should change to "0". If this item does not change to "0", the certification ECU (smart key ECU assembly) may be registered to another vehicle. A certification ECU (smart key ECU assembly) which is registered to another vehicle cannot be used.
- When an error message is displayed on the GTS during New Key ID Registration, perform an operation check. If only the hybrid control system can be started and the entry lock/unlock and wireless lock/unlock does not operate, perform ECU Code Registration.

    Also, if the same symptoms occur when registration is complete, perform ECU Code Registration. If the hybrid control system does not start, refer to HOW TO PROCEED WITH TROUBLESHOOTING.

    Click here **INFO**

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of registration	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. **NOTICE:** ○ The ignition switch can be turned to ON up to 40 times, and then cannot be turned to ON again. If the GTS is connected and started while turning lock and unlock the door control switch on the multiplex network master switch assembly (at intervals of 1.5 seconds or less between lock and unlock), the electrical key can be normally registered. ○ The auto power off function may operate approximately 20 minutes after the ignition switch is turned to ON. Perform New Key ID Registration within 20 minutes of turning the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / Smart Code Registration	-
2. Get Pass-Code	1. According to the display on the GTS, obtain the Pass-Code using online authentication or proxy authentication. **NOTICE:** After obtaining the Pass-Code, do not turn off the GTS until registration is completed. If the GTS is turned off before registration is completed, obtain the Pass-Code once more.	-
3. Confirmation of all registered electrical key transmitter sub-assemblies (When only the certification ECU (smart key ECU assembly) is replaced)	1. While facing the logo side of a registered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near power switch. 2. Confirm that the wireless buzzer sounds once (short beep). 3. Repeat procedure 1 and 2 of this process for all the previously registered electrical key transmitter sub-assemblies. **HINT:** When performing the electrical key transmitter sub-assembly confirmation procedure the security indicator light comes on and remains on until all the electrical key transmitter sub-assemblies are confirmed.	30

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
4. Verification of unregistered electrical key transmitter sub-assembly	1. While facing the logo side of an unregistered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near the power switch. 2. Confirm that the wireless buzzer sounds twice (short beep). 3. Repeat procedure 1 and 2 of this process for all electrical key transmitter sub-assemblies to register.	30
5. End of registration	Finish new key ID code registration.	-

4. ADDITIONAL KEY ID REGISTRATION

NOTICE:

- If an electrical key transmitter sub-assembly has recently been registered, the new key registration warning message will be displayed on the multi-information display and cannot be cleared for 10 days.*

    This message is displayed to inform the user that an electrical key transmitter sub-assembly has been registered and help prevent the vehicle from being stolen if the registration was unauthorized.
    *: Display of the warning message will be suspended when any of the following conditions is met:
        - The warning message has been displayed for 60 seconds.
        - All of the doors are closed and locked.
        - Ignition switch is turned to ON.
- When an error message is displayed on the GTS during Additional Key ID Registration, perform an operation check. If only the hybrid control system can be started and the entry lock/unlock and wireless lock/unlock does not operate, perform ECU Code Registration.

    Also, if the same symptoms occur when registration is complete, perform ECU Code Registration.If the hybrid control system does not start, refer to HOW TO PROCEED WITH TROUBLESHOOTING.

    Click here **INFO**

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of registration	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. **NOTICE:** ○ The ignition switch can be turned to ON up to 40 times, and then cannot be turned to ON again. If the GTS is connected and started while turning lock and unlock the door control switch on the multiplex network master switch assembly (at intervals of 1.5 seconds or less between lock and unlock), the electrical key can be normally registered. ○ The auto power off function may operate approximately 20 minutes after the ignition switch is turned to ON. Perform Additional Key ID Registration within 20 minutes of turning the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / Smart Code Registration	-
2. Get Pass-Code	1. According to the display on the GTS, obtain the Pass-Code using online authentication or proxy authentication. **NOTICE:**	-

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
	After obtaining the Pass-Code, do not turn off the GTS until registration is completed. If the GTS is turned off before registration is completed, obtain the Pass-Code once more.	
3. Confirmation of registered electrical key transmitter sub-assemblies	1. While facing the logo side of a registered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near power switch. 2. Confirm that the wireless buzzer sounds once (short beep). **HINT:** When checking registered electrical key transmitter sub-assemblies, check using an electrical key transmitter sub-assembly that is registered to the vehicle.	30
4. Verification of unregistered electrical key transmitter sub-assembly	1. While facing the logo side of an unregistered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near the power switch. 2. Confirm that the wireless buzzer sounds twice (short beep). 3. Repeat procedure 1 and 2 of this process for all electrical key transmitter sub-assemblies to register.	30
5. End of registration	Finish additional key ID code registration.	-

5. UNDESIGNATED KEY PERMANENT ERASURE

NOTICE:

If Undesignated Key Permanent Erasure is performed, previously registered electrical key transmitter sub-assemblies cannot be re-registered, and therefore they can no longer be used.

HINT:

Undesignated Key Permanent Erasure can be used to delete and disable all key IDs other than the electrical key transmitter sub-assemblies selected during "confirmation of registered electrical key transmitter sub-assemblies to keep (process No. 3)".

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of erasure	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / Undesignated Key Permanent erasure 6. Input the number of keys to keep and check that the number of electrical key transmitter sub-assemblies to delete is correct.	-

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
2. Get Pass-Code	1. According to the display on the GTS, obtain the Pass-Code using online authentication or proxy authentication. **NOTICE:** After obtaining the Pass-Code, do not turn off the GTS until registration is completed. If the GTS is turned off before registration is completed, obtain the Pass-Code once more.	-
3. Confirmation of registered electrical key transmitter sub-assemblies to keep	1. While facing the logo side of a registered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near power switch. 2. Confirm that the wireless buzzer sounds once (short beep). **HINT:** The security indicator light illuminates when all the registered electrical key transmitter sub-assemblies to keep are confirmed.	30
4. Erasure of key ID	1. Double-check the number of electrical key transmitter sub-assembly to delete, and then press the delete button.	-
5. Confirmation of ECU code	1. Check that "confirmation of ECU code" is shown on the GTS. **HINT:** The security indicator light goes off when confirmation of ECU code is completed.	-
6. Erasure of ID code	1. Check that "ID code deletion is completed" is shown on the GTS.	-
7. End of erasure	Finish key ID erasure.	-

6. ALL KEYS ID ERASURE (SMART CODE RESET)

NOTICE:

Do not perform "Smart Code Reset" (all key ID erasure) until all of the malfunctions and symptoms have been confirmed and resolved. If all key ID erasure is performed without confirming or resolving malfunctions, key registration will be unable to be performed, resulting in unnecessary part replacement.

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of erasure	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. **NOTICE:** ○ The ignition switch can be turned to ON up to 40 times, and then cannot be turned to ON again. If the GTS is connected and started while turning lock and unlock the door control switch on the multiplex network master switch assembly (at intervals of 1.5 seconds or less between lock and unlock), the electrical key can be normally registered. ○ The auto power off function may operate approximately 20 minutes after the ignition switch is turned to ON. Perform All Keys ID Erasure within 20	-

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
	minutes of turning the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / Smart Code Reset 6. Read "Seed Number" sent from TIS according to GTS screen. 7. Input "Pass-Code Number" sent from TIS according to GTS screen.	
2. Get Pass-Code	1. According to the display on the GTS, obtain the Pass-Code using online authentication or proxy authentication. **NOTICE:** After obtaining the Pass-Code, do not turn off the GTS until erasure is completed. If the GTS is turned off before erasure is completed, obtain the Pass-Code once more.	-
3. Erasure of ID code	1. Perform operation according to prompts on the GTS screen. 2. Wait for 15 minutes.	-
4. End of erasure	Finish key ID code erasure.	-

7. ECU CODE REGISTRATION

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of registration	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / ECU Communication ID Registration / ID code box and Steering Lock	-
2. Confirmation of registered electrical key transmitter sub-assemblies	1. While facing the logo side of a registered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near power switch. 2. Confirm that the wireless buzzer sounds once (short beep). **HINT:** When checking registered electrical key transmitter sub-assemblies, check using an electrical key transmitter sub-assembly that is registered to the vehicle.	30
3. Registration of ECU code	1. Perform operations according to prompts on the GTS screen.	-
4. End of registration	Finish ECU code registration.	-

8. ECU COMMUNICATION ID REGISTRATION

NOTICE:

Do not open or close the driver door during registration. If the driver door is opened or closed, restart from step 1 of "Start of registration".

PROCESS	PROCEDURE

1. Start of registration	1. Ignition switch off.
	2. Connect the GTS to the DLC3.
	3. Turn the ignition switch to ON.
	
	 HINT:
	  The security indicator light goes off.
	
	4. Turn the GTS on.
	5. Enter the following menus: Body Electrical / Power Source Control / Utility / Auto Power OFF Cancel
	6. Cancel the auto power off function in accordance with the screen of the GTS.
	
	 NOTICE:
	  If the auto power off function is not canceled, the ignition switch may turn off unintentionally when performing step 2 "ECU Communication ID Registration" and ECU communication ID registration may not be possible.
	
	7. Enter the following menus: Powertrain / Hybrid Control / Active Test / Connect the TC and TE1
	8. Turn the TC terminal ON to send a TC ON forced operation request.

2. ECU communication ID registration	1. After 30 minutes or more have elapsed, Enter the following menus: Powertrain / Hybrid Control / Active Test / Connect the TC and TE1 2. Turn the TC terminal OFF to send a TC ON forced operation cancellation request. 3. Turn the ignition switch off. **HINT:** The security indicator light blinks.

3. Confirmation of registration	1. Turn the ignition switch to ON.
	
	 HINT:
	  The security indicator light goes off.
	
	2. Check that the hybrid control system starts and stays for more than 3 seconds.
	
	 NOTICE:
	  There are cases in which the hybrid control system will not start on the first attempt after completing ECU communication ID code registration. However, this is not a malfunction, as the hybrid control system can be started normally from the second start attempt.

4. Clear DTC	1. After confirming that the hybrid control system starts, use the GTS to clear DTC B279986 "Engine Immobiliser System Signal (Some Circuit Quantity, Reported via Serial Data) Invalid".
5. End of registration	Finish ECU communication ID registration.

9. REMOTE DOOR LOCK AND UNLOCK REGISTRATION

PROCESS	PROCEDURE
1. Start of registration	1. Ignition switch off. 2. Connect the GTS to the DLC3.

PROCESS	PROCEDURE
	3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Telematics / Utility / Remote Door Lock Setting.
2. Registration of remote door lock and unlock	1. Perform operation according to prompts on the GTS screen
3. End of registration	Finish remote door lock and unlock registration.

10. REMOTE ENGINE START AND STOP REGISTRATION

PROCESS	PROCEDURE
1. Start of registration	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / ECU Communication ID Registration / Remote Engine Starter.
2. Registration of remote engine start and stop	1. Perform operations according to prompts on the GTS screen.
3. End of registration	Finish remote engine start and stop registration.

11. VIN / DIGITAL KEY ECU SERIAL NO. REGISTRATION TO SERVER

PROCESS	PROCEDURE
1. Start of registration	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Telematics / Utility / VIN Synchronization.
2. Registration to server	1. Perform operations according to prompts on the GTS screen. 2. When the completion screen is displayed, turn the ignition switch off. 3. Turn the ignition switch to ON (IG) and wait for 30 seconds or more. **HINT:** After the GTS operation completes and the ignition switch is turned off, the digital key ECU serial No. and VIN will be sent to the center via the telematics system and registered to the dedicated server 30 seconds after the ignition switch is turned to ON (IG) for the first time.
3. Confirmation of server registration completion	1. Enter the following menus: Body Electrical / Telematics / Data List / Communication Status with TSC 2. Check that "Complete" is displayed.
4. End of registration	Finish VIN / digital key ECU serial No. registration to server.

12. ALL DIGITAL KEYS CLEARANCE

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of erasure	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / Digital Key Code Reset	-
2. Get Pass-Code	1. According to the display on the GTS, obtain the Pass-Code using online authentication or proxy authentication. **NOTICE:** After obtaining the Pass-Code, do not turn off the GTS until erasure is completed. If the GTS is turned off before erasure is completed, obtain the Pass-Code once more.	-
3. Confirmation of registered electrical key transmitter sub-assemblies	1. While facing the logo side of a registered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near power switch. 2. Confirm that the wireless buzzer sounds once (short beep). **HINT:** When checking registered electrical key transmitter sub-assemblies, check using an electrical key transmitter sub-assembly that is registered to the vehicle.	30
4. End of erasure	Finish all digital keys clearance.	-

13. ALL DIGITAL KEYS (SHARE KEY) CLEARANCE

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
1. Start of erasure	1. Ignition switch off. 2. Connect the GTS to the DLC3. 3. Turn the ignition switch to ON. 4. Turn the GTS on. 5. Enter the following menus: Body Electrical / Smart Key / Utility / Guest Digital Key Code Reset	-
2. Get Pass-Code	1. According to the display on the GTS, obtain the Pass-Code using online authentication or proxy authentication. **NOTICE:** After obtaining the Pass-Code, do not turn off the GTS until erasure is completed. If the GTS is turned off before erasure is completed, obtain the Pass-Code once more.	-
3. Confirmation of registered electrical key transmitter sub-assemblies	1. While facing the logo side of a registered electrical key transmitter sub-assembly toward the power switch, hold the electrical key transmitter sub-assembly near power switch. 2. Confirm that the wireless buzzer sounds once (short beep).	30

PROCESS	PROCEDURE	TIME LIMIT (SECONDS)
	HINT: When checking registered electrical key transmitter sub-assemblies, check using an electrical key transmitter sub-assembly that is registered to the vehicle.	
4. End of erasure	Finish all digital keys (share key) clearance.	-