GENUINE REMOTE ENGINE START 【Parts No. C930 V7 620】 Registration Procedure Of the Remote control

If the remote control of Remote Engine Start (RES) is exchanged or added, register the new remote control to the controller of RES according to the following procedure.

NOTE : If this registration procedure is not performed, the vehicle engine cannot be started with the new remote control.

〔**Preparation**〕

1) Prepare all the remote controls of RES which should be registered.

Remote control of RES

NOTE : Max. 3 remote controls can be registered.
Note that all the remote controls should be re-registered, because the previous remote controls are erased all from memory if the following registration procedure is performed.
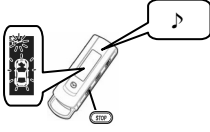
2) Prepare the one Advanced key which can start the user's vehicle engine.

Advanced key

3) Check the controller of RES is already registered to the vehicle.
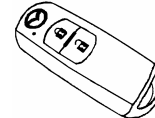
〔**Registration procedure**〕
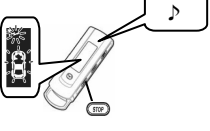
Procedure	Operation Key	Operation	Response when it succeeds in operation	Response when it fails In operation
		Start registration		
1	—	Disconnect the negative battery cable.	—	—
2	—	Connect the negative battery cable after 10 seconds or more passed from disconnecting the negative battery cable.	■Controller of RES Pi､ Pi Buzzer sounds twice with short beep	■Controller of RES Buzzer doesn't sound
3 *(Operate within Approx. 30 seconds)*	Advanced key	Get on the vehicle with the Advanced key, and change the ignition status from "OFF" to "ON" 2times by pressing the Push Button Start switch. ON (Light on) — OFF (Light off) — ON (Light on) 【Note】 Do not step on the brake pedal while operating the Push Button Start switch.	■Controller of RES Pi— Buzzer sounds once with long beep	■Controller of RES Buzzer doesn't sound
4 *(Operate within Approx. 10 seconds)*	Remote control of RES -1	Press the function switch, the start switch and the stop switch at the same time until it beeps. And then, press the stop switch until it beeps while the LCD displays. Pi — While LCD displays — ♪ Press the 3 switches at the same time	■Remote control of RES-1 All marks on the LCD turn on	■Remote control of RES-1 Displays "Er"
5 *(Operate within Approx. 20 seconds)*	Remote control of RES -2	【In case only one remote control is registered】 Skip to Procedure 7. 【In case 2 or 3 remote controls are registered】 Do the same operations as Procedure 4 with the remote control of RES -2. And then, operate Procedure 6.	■Remote control of RES-2 All marks on the LCD turn on	■Remote control of RES-2 Displays "Er"
6 *(Operate within Approx. 20 seconds)*	Remote control of RES -3	【In case 2 remote controls are registered】 Skip to Procedure 7. 【In case 3 remote controls are registered】 Do the same operations as Procedure 4 with the remote control of RES -3. And then, operate Procedure 7.	■Remote control of RES-3 All marks on the LCD turn on	■Remote control of RES-3 Displays "Er"

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Procedure	Operation Key	Operation	Response when it succeeds in operation	Response when it fails In operation
7	Remote control of RES (- 1 or 2 or 3)	Press the stop switch once until it beeps. ♪	■Controller of RES 1set: Pi-, Pi 2set: Pi-, Pi,Pi 3set: Pi-, Pi,Pi,Pi In case the number of the registered remote control sets is 【1】 once with long beep, and once with short beep 【2】 once with long beep, and twice with short beep 【3】 once with long beep, and 3 times with short beep	■Controller of RES Buzzer doesn't sound
		Complete registration		

(Left margin: Operate within Approx. 20 seconds)

［After registration］

Press the stop switch until it beeps, and check the answer back display is appeared correctly on LCD monitor, to each of all the registered remote controls.

> NOTE : If the Receive error display "Er" is appeared, perform the above registration procedure again.

Procedure	Operation Key	Operation	Succeeded in registration	Failed in registration
1	Remote control of RES	Press the stop switch until it beeps ♪	■Remote control of RES "Stop" mark turns on	■Remote control of RES Er Displays "Er"

*If the registration is not completed successfully, refer to the follows.

［Notes in registration］

－When all the following conditions are satisfied, the registration of remote control is possible.
1) RES is normal.
2) ROOM Fuse, AT Fuse, and SRS2/ESCL Fuse are equipped. *
   * Fuses which should be checked is various due to the vehicle type.
3) The controller of RES is already registered to the vehicle.

［Registration error notification by the buzzer beeps］

－When the registration is ended in failure, the buzzer of RES controller sounds with combination of the number of long beeps and short beeps as shown in tab.1.
In that case, refer to the troubleshoot shown in tab.1 and retry from the beginning of registration procedure.
－If the buzzer doesn't sound during registration operation, refer to "Troubleshooting manual" issued by Mazda.
※The troubleshooting manual is posted on the site for servicing personnel.

tab.1　Registration error notification by the buzzer beeps

Long beep (Pi-) + Short beep (Pi)		Error	Troubleshoot
3times	no beeps	Miss operation	-Perform each of the registration procedure 3 to 7 within the specified time limit. -Keep the ignition status "ON" through the registration procedure 4 to 7. -Do not perform the operation with the remote control of RES other than it indicated to the registration procedure.
3times	1time	Communication error between the controller of RES and SSU	Check whether the controller and harness of RES are installed in the vehicle correctly and harness connectors are connected firmly.
3times	2times		

［Others］

When there is a signal being transmitted that is close to the frequency band used by this device in the surrounding area, transmission between the remote control and controller shall be restricted. In this situation, the remote control will display a send error and/or a receive error.