

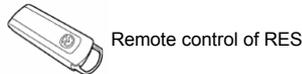
GENUINE REMOTE ENGINE START [Parts No. C930 V7 620] Registration Procedure Of the Controller

After installation of Remote Engine Start (RES), register the controller of RES to the vehicle according to the following procedure.

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

[Preparation]

1) Prepare the remote control of RES.



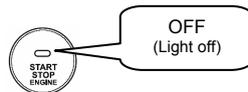
2) Prepare two advanced keys registered to the vehicle in advance.



3) 30 seconds or more have passed after connecting the vehicles battery.

* This registration cannot be performed until 30 seconds have passed after connecting the vehicles battery.

4) Set the ignition status to the "OFF".



[Registration procedure]

Procedure	Operation Key	Operation	Response when it succeeds in operation	Response when it fails In operation
Start registration				
1	Remote control of RES	Press the registration switch once, and then re-press the same switch until it beeps while the LCD display is shown. 	Controller of RES Buzzer sounds twice with long beep	Controller of RES Buzzer doesn't sound
2	Advanced key- 1	Hold up the <u>Advanced key-1</u> to Push Button Start switch, and set the ignition status from "OFF" to "ON" by pressing the Push Button Start switch. [Note] Do not step on the brake pedal while operating the Push Button Start switch.	Security Indicator Turns on for 3 seconds	Security Indicator Flashes
3	-	After the security indicator in Meter panel turns off, release the held-up key from the Push Button Start switch. And then, set the ignition status from "ON" to "OFF" by pressing the Push Button Start switch.	Security Indicator Flashes	Controller of RES Buzzer sounds twice with long beep, and once short
4	Advanced key-2	Do the same operations as Procedure 2, 3 with the <u>Advanced key-2</u> .	Refer to Procedure 2, 3	
5	Remote control of RES	Press the stop switch once until it beeps. 	Ignition status Ignition status is automatically set to "ON"	Ignition status Ignition status keeps "OFF"
Complete registration				

Operate within Approx. 4 seconds

Operate within Approx. 60 seconds

[After registration]

Check the vehicle engine can be started with the Remote Engine Start referring to the USER'S INSTRUCTIONS.

NOTE : If the vehicle engine cannot be started, and appears the Error display "A2" on the LCD monitor of the remote control, perform the above registration procedure again.

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

[Notes in registration]

- When all the following conditions are satisfied, the registration of controller is possible.
- 1) Smart Start Unit (SSU) and RES are normal.
(Any of diagnostic codes related to SSU and RES doesn't remain.)
- 2) The number of controller which have been already registered to the vehicle should be less than three sets.
- 3) All the registration of Advanced keyless system or Immobilizer system should be completed.
- 4) Configuration of SSU should be completed.
- 5) Two or more advanced keys should be registered to the vehicle in advance.
- 6) The remote control of RES should be registered to the controller.
- 7) ROOM Fuse, AT Fuse, and SRS2/ESCL Fuse are equipped. *
* Fuses which should be checked is various due to the vehicle type.
- Do not operate the doors, the rear gate, the bonnet, and shift lever during registration.
- If you fail in the registration, retry from the beginning of registration procedure after opening and closing the driver side door once.

[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 at procedure 1, 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
2times	1time	Miss operation	-Do not operate the doors, the rear gate, the bonnet, and shift lever during registration. -Set the ignition status from "ON" to "OFF" within approx. 4 seconds after the security indicator turns off at procedure 3.
2times	2times	Advanced keys are not registered	Register all the Advanced keys to the vehicle.
2times	3times	3 or more controllers are already registered	Perform the "Advanced key code - Erase", and then perform the "Program - additional - Advanced key" again, with M-MDS. Note: The "Advanced key code - Erase" erases all the registered Advanced keys from memory. Therefore, perform above operations after preparing all the Advanced keys which should be registered.
2times	4times	Vehicle condition is not satisfied	-Check whether diagnostic Code related SSU and RES remains. -Check whether all the registration of Advanced keyless system or Immobilizer system are completed. -Check whether configuration of SSU is completed.
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		
2times	5times	Time limit elapsed, etc.	-Perform the registration procedure 2 to 6 within approx. 60 seconds. -Do not perform the operation with the remote control of RES other than it indicated to the registration procedure.

[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.